



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** GDI IVD® Intake Valve & Turbo Cleaner - 11 oz

**Other means of identification**

**Product Code** No. 05319 (Item# 1003763)

**Registration number** EPA: 048320132

**Recommended use** Intake valve cleaner

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufactured or sold by:**

**Company name** CRC Industries, Inc.

**Address** 885 Louis Dr.  
Warminster, PA 18974 US

**Telephone**

**General Information** 215-674-4300

**Technical Assistance** 800-521-3168

**Customer Service** 800-272-4620

**24-Hour Emergency** 800-424-9300 (US)

**(CHEMTREC)**

**Website** www.crcindustries.com

## 2. Hazard(s) identification

|                              |                                                        |                             |
|------------------------------|--------------------------------------------------------|-----------------------------|
| <b>Physical hazards</b>      | Flammable aerosols                                     | Category 1                  |
|                              | Gases under pressure                                   | Liquefied gas               |
| <b>Health hazards</b>        | Skin corrosion/irritation                              | Category 2                  |
|                              | Serious eye damage/eye irritation                      | Category 2A                 |
|                              | Germ cell mutagenicity                                 | Category 2                  |
|                              | Carcinogenicity                                        | Category 2                  |
|                              | Specific target organ toxicity, single exposure        | Category 3 narcotic effects |
|                              | Aspiration hazard                                      | Category 1                  |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment, acute hazard     | Category 1                  |
|                              | Hazardous to the aquatic environment, long-term hazard | Category 1                  |
| <b>OSHA defined hazards</b>  | Not classified.                                        |                             |

**Label elements**



**Signal word** Danger

**Hazard statement** Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing genetic defects. Suspected of causing cancer. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

## Precautionary statement

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not apply while equipment is energized. Extinguish all flames, pilot lights, and heaters. Vapors will accumulate readily and may ignite. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Avoid breathing mist/vapor. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

### Response

If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Collect spillage.

### Storage

Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst.

### Disposal

Dispose of contents/container in accordance with local/regional/national regulations.

### Hazard(s) not otherwise classified (HNOC)

None known.

### Supplemental information

None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                                   | Common name and synonyms | CAS number  | %       |
|-------------------------------------------------|--------------------------|-------------|---------|
| liquefied petroleum gas                         |                          | 68476-86-8  | 30 - 40 |
| distillates (petroleum), hydrosulfurized middle | Diesel Fuel No. 2        | 64742-80-9  | 20 - 30 |
| distillates (petroleum), hydrotreated light     |                          | 64742-47-8  | 20 - 30 |
| polyether amine                                 |                          | Proprietary | 10 - 20 |
| solvent naphtha (petroleum), heavy arom.        |                          | 64742-94-5  | 1 - 3   |
| naphthalene                                     |                          | 91-20-3     | < 0.2   |

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

### Skin contact

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

### Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

### Most important symptoms/effects, acute and delayed

Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

### General information

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

## 5. Fire-fighting measures

### Suitable extinguishing media

Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).

|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Specific hazards arising from the chemical</b>                    | Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.                                                                                                                                                                                                                                                                                             |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.                                                                                                                                                                                                                                                                            |
| <b>Fire-fighting equipment/instructions</b>                          | In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes. |
| <b>General fire hazards</b>                                          | Extremely flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame. Will burn if involved in a fire.                                                                                                                                                                                                                                                                                     |

## 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| <b>Methods and materials for containment and cleaning up</b>               | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.                                               |
| <b>Environmental precautions</b>                                           | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## 7. Handling and storage

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. For product usage instructions, see the product label. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Level 3 Aerosol.<br><br>Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components                                                               | Type | Value                    |
|--------------------------------------------------------------------------|------|--------------------------|
| distillates (petroleum),<br>hydrodesulfurized middle<br>(CAS 64742-80-9) | PEL  | 400 mg/m3<br><br>100 ppm |
| naphthalene (CAS 91-20-3)                                                | PEL  | 50 mg/m3<br>10 ppm       |
| solvent naphtha<br>(petroleum), heavy arom.<br>(CAS 64742-94-5)          | PEL  | 400 mg/m3<br><br>100 ppm |

**US. ACGIH Threshold Limit Values**

| Components                                                               | Type | Value     | Form                |
|--------------------------------------------------------------------------|------|-----------|---------------------|
| distillates (petroleum),<br>hydrodesulfurized middle<br>(CAS 64742-80-9) | TWA  | 5 mg/m3   | Inhalable fraction. |
| naphthalene (CAS 91-20-3)                                                | TWA  | 10 ppm    |                     |
| solvent naphtha<br>(petroleum), heavy arom.<br>(CAS 64742-94-5)          | TWA  | 200 mg/m3 | Non-aerosol.        |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components                                                               | Type | Value                    |
|--------------------------------------------------------------------------|------|--------------------------|
| distillates (petroleum),<br>hydrodesulfurized middle<br>(CAS 64742-80-9) | TWA  | 400 mg/m3<br><br>100 ppm |
| distillates (petroleum),<br>hydrotreated light (CAS<br>64742-47-8)       | TWA  | 100 mg/m3                |
| naphthalene (CAS 91-20-3)                                                | STEL | 75 mg/m3<br>15 ppm       |
|                                                                          | TWA  | 50 mg/m3<br>10 ppm       |
| solvent naphtha<br>(petroleum), heavy arom.<br>(CAS 64742-94-5)          | TWA  | 100 mg/m3                |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines****US - California OELs: Skin designation**

naphthalene (CAS 91-20-3) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

naphthalene (CAS 91-20-3) Can be absorbed through the skin.

solvent naphtha (petroleum), heavy arom.  
(CAS 64742-94-5) Can be absorbed through the skin.

**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Wear protective gloves such as: Neoprene. Nitrile. Polyvinyl chloride (PVC).

**Other** Wear appropriate chemical resistant clothing.

|                                       |                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Respiratory protection</b>         | If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels. |
| <b>Thermal hazards</b>                | Wear appropriate thermal protective clothing, when necessary.                                                                                                                                                                                                                                                                      |
| <b>General hygiene considerations</b> | Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.                                      |

## 9. Physical and chemical properties

### Appearance

|                                                     |                            |
|-----------------------------------------------------|----------------------------|
| <b>Physical state</b>                               | Liquid.                    |
| <b>Form</b>                                         | Aerosol.                   |
| <b>Color</b>                                        | Amber.                     |
| <b>Odor</b>                                         | Petroleum.                 |
| <b>Odor threshold</b>                               | Not available.             |
| <b>pH</b>                                           | Not available.             |
| <b>Melting point/freezing point</b>                 | Not available.             |
| <b>Initial boiling point and boiling range</b>      | 320 °F (160 °C) estimated  |
| <b>Flash point</b>                                  | 187 °F (86.1 °C) Setaflash |
| <b>Evaporation rate</b>                             | Moderate.                  |
| <b>Flammability (solid, gas)</b>                    | Not available.             |
| <b>Upper/lower flammability or explosive limits</b> |                            |
| <b>Flammability limit - lower (%)</b>               | 0.5 % estimated            |
| <b>Flammability limit - upper (%)</b>               | 7.5 % estimated            |
| <b>Vapor pressure</b>                               | 1982 hPa estimated         |
| <b>Vapor density</b>                                | > 1 (air = 1)              |
| <b>Relative density</b>                             | 0.77 estimated             |
| <b>Solubility(ies)</b>                              |                            |
| <b>Solubility (water)</b>                           | Not available.             |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.             |
| <b>Auto-ignition temperature</b>                    | 410 °F (210 °C) estimated  |
| <b>Decomposition temperature</b>                    | Not available.             |
| <b>Percent volatile</b>                             | 100 % estimated            |

## 10. Stability and reactivity

|                                           |                                                                                                                         |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.                           |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.                                                                             |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                                             |
| <b>Conditions to avoid</b>                | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong oxidizing agents.                                                                                                |
| <b>Hazardous decomposition products</b>   | Aldehydes. Aliphatic alcohols. Ammonia. Carbon oxides. Propylamine. Polyalkylglycols.                                   |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
| <b>Skin contact</b> | Causes skin irritation.                                                                              |

|                                                                                     |                                                                                                                                                                                                                                                                          |                                     |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Eye contact</b>                                                                  | Causes serious eye irritation.                                                                                                                                                                                                                                           |                                     |
| <b>Ingestion</b>                                                                    | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.                                                                                                                                                   |                                     |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. |                                     |
| <b>Information on toxicological effects</b>                                         |                                                                                                                                                                                                                                                                          |                                     |
| <b>Acute toxicity</b>                                                               | May be fatal if swallowed and enters airways.                                                                                                                                                                                                                            |                                     |
| <b>Components</b>                                                                   | <b>Species</b>                                                                                                                                                                                                                                                           | <b>Test Results</b>                 |
| distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)                  |                                                                                                                                                                                                                                                                          |                                     |
| <u><b>Acute</b></u>                                                                 |                                                                                                                                                                                                                                                                          |                                     |
| <b>Dermal</b>                                                                       |                                                                                                                                                                                                                                                                          |                                     |
| LD50                                                                                | Rabbit                                                                                                                                                                                                                                                                   | > 2000 mg/kg                        |
| <b>Inhalation</b>                                                                   |                                                                                                                                                                                                                                                                          |                                     |
| <i>Vapor</i>                                                                        |                                                                                                                                                                                                                                                                          |                                     |
| LC50                                                                                | Rat                                                                                                                                                                                                                                                                      | 10 - 20 mg/l, 4 hours               |
| <b>Oral</b>                                                                         |                                                                                                                                                                                                                                                                          |                                     |
| LD50                                                                                | Rat                                                                                                                                                                                                                                                                      | > 5000 mg/kg                        |
| distillates (petroleum), hydrotreated light (CAS 64742-47-8)                        |                                                                                                                                                                                                                                                                          |                                     |
| <u><b>Acute</b></u>                                                                 |                                                                                                                                                                                                                                                                          |                                     |
| <b>Dermal</b>                                                                       |                                                                                                                                                                                                                                                                          |                                     |
| LD50                                                                                | Rat                                                                                                                                                                                                                                                                      | > 2000 mg/kg                        |
| <b>Inhalation</b>                                                                   |                                                                                                                                                                                                                                                                          |                                     |
| LC50                                                                                | Rat                                                                                                                                                                                                                                                                      | > 5.2 mg/l, 4 hours                 |
| <b>Oral</b>                                                                         |                                                                                                                                                                                                                                                                          |                                     |
| LD50                                                                                | Rat                                                                                                                                                                                                                                                                      | > 5000 mg/kg, 2.5 hours             |
| naphthalene (CAS 91-20-3)                                                           |                                                                                                                                                                                                                                                                          |                                     |
| <u><b>Acute</b></u>                                                                 |                                                                                                                                                                                                                                                                          |                                     |
| <b>Dermal</b>                                                                       |                                                                                                                                                                                                                                                                          |                                     |
| LD50                                                                                | Rabbit                                                                                                                                                                                                                                                                   | > 20 g/kg                           |
| solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)                           |                                                                                                                                                                                                                                                                          |                                     |
| <u><b>Acute</b></u>                                                                 |                                                                                                                                                                                                                                                                          |                                     |
| <b>Dermal</b>                                                                       |                                                                                                                                                                                                                                                                          |                                     |
| LD50                                                                                | Rabbit                                                                                                                                                                                                                                                                   | > 2000 mg/kg                        |
| <b>Inhalation</b>                                                                   |                                                                                                                                                                                                                                                                          |                                     |
| <i>Vapor</i>                                                                        |                                                                                                                                                                                                                                                                          |                                     |
| LC50                                                                                | Rat                                                                                                                                                                                                                                                                      | > 22 mg/l, 4 hours                  |
| <b>Oral</b>                                                                         |                                                                                                                                                                                                                                                                          |                                     |
| LD50                                                                                | Rat                                                                                                                                                                                                                                                                      | > 5000 mg/kg                        |
| <b>Skin corrosion/irritation</b>                                                    | Causes skin irritation.                                                                                                                                                                                                                                                  |                                     |
| <b>Serious eye damage/eye irritation</b>                                            | Causes serious eye irritation.                                                                                                                                                                                                                                           |                                     |
| <b>Respiratory or skin sensitization</b>                                            |                                                                                                                                                                                                                                                                          |                                     |
| <b>Respiratory sensitization</b>                                                    | Not a respiratory sensitizer.                                                                                                                                                                                                                                            |                                     |
| <b>Skin sensitization</b>                                                           | This product is not expected to cause skin sensitization.                                                                                                                                                                                                                |                                     |
| <b>Germ cell mutagenicity</b>                                                       | Suspected of causing genetic defects.                                                                                                                                                                                                                                    |                                     |
| <b>Carcinogenicity</b>                                                              | Suspected of causing cancer.                                                                                                                                                                                                                                             |                                     |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>                       |                                                                                                                                                                                                                                                                          |                                     |
| naphthalene (CAS 91-20-3)                                                           |                                                                                                                                                                                                                                                                          | 2B Possibly carcinogenic to humans. |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>               |                                                                                                                                                                                                                                                                          |                                     |
| Not regulated.                                                                      |                                                                                                                                                                                                                                                                          |                                     |

**US. National Toxicology Program (NTP) Report on Carcinogens**

naphthalene (CAS 91-20-3)

Known To Be Human Carcinogen.

Reasonably Anticipated to be a Human Carcinogen.

|                                                           |                                                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Reproductive toxicity</b>                              | This product is not expected to cause reproductive or developmental effects.       |
| <b>Specific target organ toxicity - single exposure</b>   | May cause drowsiness and dizziness.                                                |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.                                                                    |
| <b>Aspiration hazard</b>                                  | May be fatal if swallowed and enters airways.                                      |
| <b>Chronic effects</b>                                    | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. |

**12. Ecological information****Ecotoxicity** Very toxic to aquatic life with long lasting effects.

| Components                                                         |      | Species                                             | Test Results              |
|--------------------------------------------------------------------|------|-----------------------------------------------------|---------------------------|
| distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9) |      |                                                     |                           |
| <b>Aquatic</b>                                                     |      |                                                     |                           |
| Crustacea                                                          | EC50 | Water flea (Daphnia pulex)                          | 2.7 - 5.1 mg/l, 48 hours  |
| Fish                                                               | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 8.8 mg/l, 96 hours        |
|                                                                    |      |                                                     | 8.8 mg/l, 96 hours        |
| distillates (petroleum), hydrotreated light (CAS 64742-47-8)       |      |                                                     |                           |
| <b>Aquatic</b>                                                     |      |                                                     |                           |
| <i>Acute</i>                                                       |      |                                                     |                           |
| Crustacea                                                          | EC50 | Water flea (Daphnia magna)                          | > 1000 mg/l, 48 hours     |
| Fish                                                               | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | > 1000 mg/l, 96 hours     |
| naphthalene (CAS 91-20-3)                                          |      |                                                     |                           |
| <b>Aquatic</b>                                                     |      |                                                     |                           |
| <i>Acute</i>                                                       |      |                                                     |                           |
| Crustacea                                                          | EC50 | Water flea (Daphnia magna)                          | 1.09 - 3.4 mg/l, 48 hours |
| Fish                                                               | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 1.6 mg/l, 96 hours        |
| polyether amine                                                    |      |                                                     |                           |
| <b>Aquatic</b>                                                     |      |                                                     |                           |
| <i>Acute</i>                                                       |      |                                                     |                           |
| Crustacea                                                          | EC50 | Crustacea                                           | > 120 mg/l, 48 hours      |
| Fish                                                               | LC50 | Fish                                                | > 100 mg/l, 96 hours      |
| solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)          |      |                                                     |                           |
| <b>Aquatic</b>                                                     |      |                                                     |                           |
| <i>Acute</i>                                                       |      |                                                     |                           |
| Crustacea                                                          | EC50 | Daphnia magna                                       | 1.1 mg/l, 48 hours        |
| Fish                                                               | EC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 2 mg/l, 96 hours          |
|                                                                    | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 2 mg/l, 96 hours          |

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.**Bioaccumulative potential****Partition coefficient n-octanol / water (log Kow)**

|                                                   |         |
|---------------------------------------------------|---------|
| distillates (petroleum), hydrodesulfurized middle | 3.3 - 6 |
| naphthalene                                       | 3.3     |

**Mobility in soil** No data available.**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

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### 13. Disposal considerations

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazardous waste code</b>   | Not regulated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Disposal instructions</b>  | The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33). Empty container can be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations. |
| <b>Contaminated packaging</b> | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.                                                                                                                                                                                                                                                                                |

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### 14. Transport information

#### DOT

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1950                                                                  |
| <b>UN proper shipping name</b>      | Aerosols, flammable, Limited Quantity                                   |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 2.1                                                                     |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Label(s)</b>                     | 2.1                                                                     |
| <b>Packing group</b>                | Not applicable.                                                         |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>           | N82                                                                     |
| <b>Packaging exceptions</b>         | 306                                                                     |
| <b>Packaging non bulk</b>           | None                                                                    |
| <b>Packaging bulk</b>               | None                                                                    |

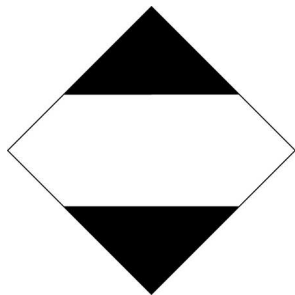
#### IATA

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1950                                                                  |
| <b>UN proper shipping name</b>      | Aerosols, flammable, Limited Quantity                                   |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 2.1                                                                     |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Packing group</b>                | Not applicable.                                                         |
| <b>ERG Code</b>                     | 10L                                                                     |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Other information</b>            |                                                                         |
| <b>Passenger and cargo aircraft</b> | Allowed with restrictions.                                              |
| <b>Cargo aircraft only</b>          | Allowed with restrictions.                                              |

#### IMDG

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1950                                                                  |
| <b>UN proper shipping name</b>      | AEROSOLS, Limited Quantity                                              |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 2.1                                                                     |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Packing group</b>                | Not applicable.                                                         |
| <b>Environmental hazards</b>        |                                                                         |
| <b>Marine pollutant</b>             | Yes, but exempt from the regulations.                                   |
| <b>EmS</b>                          | F-D, S-U                                                                |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |

#### DOT; IMDG





## 15. Regulatory information

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

#### US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

naphthalene (CAS 91-20-3)

#### CERCLA Hazardous Substance List (40 CFR 302.4)

naphthalene (CAS 91-20-3)

#### CERCLA Hazardous Substances: Reportable quantity

naphthalene (CAS 91-20-3) 100 LBS

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

naphthalene (CAS 91-20-3)

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

#### Safe Drinking Water Act (SDWA)

Not regulated.

#### Food and Drug Administration (FDA)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Classified hazard categories

Flammable (gases, aerosols, liquids, or solids)  
Gas under pressure  
Skin corrosion or irritation  
Serious eye damage or eye irritation  
Germ cell mutagenicity  
Carcinogenicity  
Specific target organ toxicity (single or repeated exposure)  
Aspiration hazard

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

Yes

#### SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| naphthalene   | 91-20-3    | < 0.2    |

### US state regulations

#### US. New Jersey Worker and Community Right-to-Know Act

distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
naphthalene (CAS 91-20-3)  
solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)

**US. Massachusetts RTK - Substance List**

distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
 naphthalene (CAS 91-20-3)  
 solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)

**US. Pennsylvania Worker and Community Right-to-Know Law**

distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
 distillates (petroleum), hydrotreated light (CAS 64742-47-8)  
 naphthalene (CAS 91-20-3)

**US. Rhode Island RTK**

distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
 distillates (petroleum), hydrotreated light (CAS 64742-47-8)  
 naphthalene (CAS 91-20-3)  
 solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)

**California Proposition 65**

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

benzene (CAS 71-43-2) Listed: February 27, 1987  
 naphthalene (CAS 91-20-3) Listed: April 19, 2002

**California Proposition 65 - CRT: Listed date/Developmental toxin**

benzene (CAS 71-43-2) Listed: December 26, 1997

**California Proposition 65 - CRT: Listed date/Male reproductive toxin**

benzene (CAS 71-43-2) Listed: December 26, 1997

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
 distillates (petroleum), hydrotreated light (CAS 64742-47-8)  
 liquefied petroleum gas (CAS 68476-86-8)  
 naphthalene (CAS 91-20-3)  
 solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)

**Volatile organic compounds (VOC) regulations****EPA**

**VOC content (40 CFR 51.100(s))** 100 %

**Consumer products (40 CFR 59, Subpt. C)** Not regulated

**State**

**Consumer products** Not regulated

**VOC content (CA)** 50.8 %

**VOC content (OTC)** 50.8 %

**International Inventories**

| Country(s) or region | Inventory name                                                         | On inventory (yes/no)* |
|----------------------|------------------------------------------------------------------------|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)                     | No                     |
| Canada               | Domestic Substances List (DSL)                                         | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |
| Korea                | Existing Chemicals List (ECL)                                          | No                     |
| New Zealand          | New Zealand Inventory                                                  | No                     |
| Philippines          | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| Taiwan               | Taiwan Chemical Substance Inventory (TCSI)                             | Yes                    |

| Country(s) or region                                                                                                                                                                                                                                                                                   | Inventory name                                | On inventory (yes/no)* |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------|
| United States & Puerto Rico                                                                                                                                                                                                                                                                            | Toxic Substances Control Act (TSCA) Inventory | No                     |
| *A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)<br>A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s). |                                               |                        |

## 16. Other information, including date of preparation or last revision

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Issue date           | 08-28-2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Prepared by          | Allison Yoon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Version #            | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Revision information | This document has undergone significant changes and should be reviewed in its entirety.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |