



# SAFETY DATA SHEET

## 1. Identification

|                                                        |                                          |
|--------------------------------------------------------|------------------------------------------|
| Product identifier                                     | Fuel Therapy® with Anti-Gel              |
| Other means of identification                          |                                          |
| Product Code                                           | No. 05455 (Item# 1003812)                |
| Recommended use                                        | Fuel additive                            |
| Recommended restrictions                               | None known.                              |
| Manufacturer/Importer/Supplier/Distributor information |                                          |
| Manufactured or sold by:                               |                                          |
| Company name                                           | CRC Industries, Inc.                     |
| Address                                                | 885 Louis Dr.<br>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)                                             | 703-527-3887 (International)             |
| Website                                                | www.crcindustries.com                    |

## 2. Hazard(s) identification

|                       |                                                        |                             |
|-----------------------|--------------------------------------------------------|-----------------------------|
| Physical hazards      | Flammable liquids                                      | Category 3                  |
| Health hazards        | Acute toxicity, inhalation                             | Category 4                  |
|                       | 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 |
|                       | Specific target organ toxicity, repeated exposure      | Category 2                  |
|                       | Aspiration hazard                                      | Category 1                  |
| Environmental hazards | Hazardous to the aquatic environment, acute hazard     | Category 2                  |
|                       | Hazardous to the aquatic environment, long-term hazard | Category 2                  |
| OSHA defined hazards  | Not classified.                                        |                             |
| Label elements        |                                                        |                             |



Signal word Danger

Hazard statement Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause drowsiness or dizziness. Suspected of causing genetic defects. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life. 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. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Use with adequate ventilation. 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. 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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash 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. In case of fire: Do not use water jet as an extinguisher, as this will spread the fire. Collect spillage.

### Storage

Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

### 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 | %       |
|-------------------------------------------------|--------------------------|------------|---------|
| distillates (petroleum), hydrosulfurized middle |                          | 64742-80-9 | 60 - 70 |
| distillates (petroleum), hydrotreated light     |                          | 64742-47-8 | 10 - 20 |
| naphtha (petroleum), hydrotreated heavy         |                          | 64742-48-9 | 10 - 20 |
| solvent naphtha (petroleum), heavy arom.        |                          | 64742-94-5 | 3 - 5   |
| naphthalene                                     |                          | 91-20-3    | < 1     |

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. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

### Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. Prolonged exposure may cause chronic effects.

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

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

### General information

Take off all contaminated clothing immediately. 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. Wash contaminated clothing before reuse.

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## 5. Fire-fighting measures

|                                                                      |                                                                                                                                                                                                                     |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | 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>                    | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.                                  |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.                                                                                                                       |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. 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. |
| <b>General fire hazards</b>                                          | Flammable liquid and vapor.                                                                                                                                                                                         |

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## 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. 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>               | Use water spray to reduce vapors or divert vapor cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This product is miscible in water. Prevent product from entering drains.<br><br>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.<br><br>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| <b>Environmental precautions</b>                                           | Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.<br><br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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## 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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. 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 outdoors or in a well-ventilated area. 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> | Keep away from heat and sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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## 8. Exposure controls/personal protection

### Occupational exposure limits

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

| Components                                                         | Type | Value     |
|--------------------------------------------------------------------|------|-----------|
| distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9) | PEL  | 400 mg/m3 |

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

| Components                                                   | Type | Value                         |
|--------------------------------------------------------------|------|-------------------------------|
| distillates (petroleum), hydrotreated light (CAS 64742-47-8) | PEL  | 100 ppm<br>400 mg/m3          |
| naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)     | PEL  | 100 ppm<br>400 mg/m3          |
| naphthalene (CAS 91-20-3)                                    | PEL  | 100 ppm<br>50 mg/m3<br>10 ppm |
| solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)    | PEL  | 400 mg/m3                     |
|                                                              |      | 100 ppm                       |

**US. ACGIH Threshold Limit Values**

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

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

| Components                                                         | Type | Value                         |
|--------------------------------------------------------------------|------|-------------------------------|
| distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9) | TWA  | 400 mg/m3                     |
| distillates (petroleum), hydrotreated light (CAS 64742-47-8)       | TWA  | 100 ppm<br>100 mg/m3          |
| naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)           | TWA  | 400 mg/m3                     |
| naphthalene (CAS 91-20-3)                                          | STEL | 100 ppm<br>75 mg/m3<br>15 ppm |
|                                                                    | TWA  | 50 mg/m3<br>10 ppm            |

**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**

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) 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. Eye wash facilities and emergency shower should be available when handling this product.

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

|                                       |                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection</b>            | Wear safety glasses with side shields (or goggles).                                                                                                                                                                                                                                                                                |
| <b>Skin protection</b>                |                                                                                                                                                                                                                                                                                                                                    |
| <b>Hand protection</b>                | Wear protective gloves such as: Nitrile. Neoprene. Polyvinyl chloride (PVC).                                                                                                                                                                                                                                                       |
| <b>Other</b>                          | 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.                                                                                                                                                                                                                                                            |

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**9. Physical and chemical properties****Appearance**

|                       |             |
|-----------------------|-------------|
| <b>Physical state</b> | Liquid.     |
| <b>Form</b>           | Liquid.     |
| <b>Color</b>          | Dark amber. |

**Odor** Petroleum.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** 315 °F (157.2 °C) estimated

**Flash point** 140 °F (60 °C) Setaflash

**Evaporation rate** Slow.

**Flammability (solid, gas)** Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** 0.6 % estimated

**Flammability limit - upper (%)** 7.5 % estimated

**Vapor pressure** 0.7 hPa estimated

**Vapor density** > 1 (air = 1)

**Relative density** 0.81

**Solubility(ies)**

**Solubility (water)** Negligible.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** 450 °F (232.2 °C) estimated

**Decomposition temperature** Not available.

**Percent volatile** 97.2 % estimated

**Other information**

**Pour point** 8.6 °F (-13 °C)

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**10. Stability and reactivity**

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

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## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. |
| <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. |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Information on toxicological effects

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| <b>Acute toxicity</b> | May be fatal if swallowed and enters airways. Harmful if inhaled. |
|-----------------------|-------------------------------------------------------------------|

| Components                                                         | Species | Test Results |
|--------------------------------------------------------------------|---------|--------------|
| distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9) |         |              |
| <u><b>Acute</b></u>                                                |         |              |
| <b>Dermal</b>                                                      |         |              |
| LD50                                                               | Rabbit  | > 2000 mg/kg |
| distillates (petroleum), hydrotreated light (CAS 64742-47-8)       |         |              |
| <u><b>Acute</b></u>                                                |         |              |
| <b>Dermal</b>                                                      |         |              |
| LD50                                                               | Rat     | > 2000 mg/kg |
| naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)           |         |              |
| <u><b>Acute</b></u>                                                |         |              |
| <b>Dermal</b>                                                      |         |              |
| LD50                                                               | Rabbit  | > 2000 mg/kg |
| naphthalene (CAS 91-20-3)                                          |         |              |
| <u><b>Acute</b></u>                                                |         |              |
| <b>Oral</b>                                                        |         |              |
| LD50                                                               | Rat     | 490 mg/kg    |
| solvent naphtha (petroleum), heavy arom. (CAS 64742-94-5)          |         |              |
| <u><b>Acute</b></u>                                                |         |              |
| <b>Dermal</b>                                                      |         |              |
| LD50                                                               | Rabbit  | > 2000 mg/kg |

|                                  |                         |
|----------------------------------|-------------------------|
| <b>Skin corrosion/irritation</b> | Causes skin irritation. |
|----------------------------------|-------------------------|

|                                          |                                |
|------------------------------------------|--------------------------------|
| <b>Serious eye damage/eye irritation</b> | Causes serious eye irritation. |
|------------------------------------------|--------------------------------|

### Respiratory or skin sensitization

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| <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. |
|------------------------|------------------------------|

### IARC Monographs. Overall Evaluation of Carcinogenicity

|                           |                                     |
|---------------------------|-------------------------------------|
| naphthalene (CAS 91-20-3) | 2B Possibly carcinogenic to humans. |
|---------------------------|-------------------------------------|

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

Not regulated.

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

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| naphthalene (CAS 91-20-3) | 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> | May cause damage to organs through prolonged or repeated exposure.                                                                                            |
| <b>Aspiration hazard</b>                                  | May be fatal if swallowed and enters airways. If aspirated into lungs during swallowing or vomiting, may cause chemical pneumonia, pulmonary injury or death. |
| <b>Chronic effects</b>                                    | May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.         |

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

| Components                                                         |      | Species                                             | Test Results              |
|--------------------------------------------------------------------|------|-----------------------------------------------------|---------------------------|
| distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9) |      |                                                     |                           |
| <b>Aquatic</b>                                                     |      |                                                     |                           |
| Fish                                                               | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 8.8 mg/l, 96 hours        |
|                                                                    |      |                                                     | 8.8 mg/l, 96 hours        |
| <i>Acute</i>                                                       |      |                                                     |                           |
| Crustacea                                                          | EC50 | Water flea (Daphnia magna)                          | 1.09 - 3.4 mg/l, 48 hours |
| distillates (petroleum), hydrotreated light (CAS 64742-47-8)       |      |                                                     |                           |
| <b>Aquatic</b>                                                     |      |                                                     |                           |
| <i>Acute</i>                                                       |      |                                                     |                           |
| Crustacea                                                          | EC50 | Water flea (Daphnia magna)                          | 1.1 mg/l, 48 hours        |
| Fish                                                               | LC50 | Fathead minnow (Pimephales promelas)                | 3 mg/l, 96 hours          |
| naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)           |      |                                                     |                           |
| <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        |
| 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        |
| 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)**

naphthalene 3.3

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Hazardous waste code** Not regulated.

|                               |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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.                                                                                                                                                                                                  |
| <b>Disposal instructions</b>  | This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33). Empty containers may be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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. |

## 14. Transport information

### DOT

#### Road

Not regulated as dangerous goods by ground.

### DOT

#### Air

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1268                                                                  |
| <b>UN proper shipping name</b>      | Petroleum distillates, n.o.s. or Petroleum products, n.o.s.             |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 3                                                                       |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Label(s)</b>                     | 3                                                                       |
| <b>Packing group</b>                | III                                                                     |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>           | 144, B1, IB3, T4, TP1, TP29                                             |
| <b>Packaging exceptions</b>         | 150                                                                     |
| <b>Packaging non bulk</b>           | 203                                                                     |
| <b>Packaging bulk</b>               | 242                                                                     |

### DOT

#### Maritime

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1268                                                                  |
| <b>UN proper shipping name</b>      | Petroleum distillates, n.o.s. or Petroleum products, n.o.s.             |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 3                                                                       |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Label(s)</b>                     | 3                                                                       |
| <b>Packing group</b>                | III                                                                     |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Special provisions</b>           | 144, B1, IB3, T4, TP1, TP29                                             |
| <b>Packaging exceptions</b>         | 150                                                                     |
| <b>Packaging non bulk</b>           | 203                                                                     |
| <b>Packaging bulk</b>               | 242                                                                     |

### IATA

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                    | UN1268                                                                  |
| <b>UN proper shipping name</b>      | Petroleum products, n.o.s.                                              |
| <b>Transport hazard class(es)</b>   |                                                                         |
| <b>Class</b>                        | 3                                                                       |
| <b>Subsidiary risk</b>              | -                                                                       |
| <b>Packing group</b>                | III                                                                     |
| <b>ERG Code</b>                     | 3L                                                                      |
| <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>                  | UN1268                                                                        |
| <b>UN proper shipping name</b>    | PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S., MARINE POLLUTANT |
| <b>Transport hazard class(es)</b> |                                                                               |
| <b>Class</b>                      | 3                                                                             |
| <b>Subsidiary risk</b>            | -                                                                             |

|                                     |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| <b>Packing group</b>                | III                                                                     |
| <b>Environmental hazards</b>        |                                                                         |
| <b>Marine pollutant</b>             | Yes.                                                                    |
| <b>EmS</b>                          | F-E, S-E                                                                |
| <b>Special precautions for user</b> | Read safety instructions, SDS and emergency procedures before handling. |

## 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) Listed.

### 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

Not regulated.

#### 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)
- Acute toxicity (any route of exposure)
- 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 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| naphthalene   | 91-20-3    | < 1      |

### US state regulations

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

distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)  
naphthalene (CAS 91-20-3)

#### US. Massachusetts RTK - Substance List

distillates (petroleum), hydrodesulfurized middle (CAS 64742-80-9)  
naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)  
naphthalene (CAS 91-20-3)

**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)  
 naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)  
 naphthalene (CAS 91-20-3)

**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 |
| ethylbenzene (CAS 100-41-4)   | Listed: June 11, 2004     |
| ethylene oxide (CAS 75-21-8)  | Listed: July 1, 1987      |
| naphthalene (CAS 91-20-3)     | Listed: April 19, 2002    |
| propylene oxide (CAS 75-56-9) | Listed: October 1, 1988   |

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

|                              |                           |
|------------------------------|---------------------------|
| benzene (CAS 71-43-2)        | Listed: December 26, 1997 |
| ethylene oxide (CAS 75-21-8) | Listed: August 7, 2009    |
| methanol (CAS 67-56-1)       | Listed: March 16, 2012    |
| toluene (CAS 108-88-3)       | Listed: January 1, 1991   |

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

|                              |                           |
|------------------------------|---------------------------|
| ethylene oxide (CAS 75-21-8) | Listed: February 27, 1987 |
|------------------------------|---------------------------|

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

|                              |                           |
|------------------------------|---------------------------|
| benzene (CAS 71-43-2)        | Listed: December 26, 1997 |
| ethylene oxide (CAS 75-21-8) | Listed: August 7, 2009    |

**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)  
 naphtha (petroleum), hydrotreated heavy (CAS 64742-48-9)  
 naphthalene (CAS 91-20-3)

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

**VOC content (40 CFR 51.100(s))** 97.2 %

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

**State**

**Consumer products** Not regulated

**VOC content (CA)** 97.2 %

**VOC content (OTC)** 97.2 %

**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)                                          | Yes                    |
| New Zealand          | New Zealand Inventory                                                  | Yes                    |
| Philippines          | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|-----------------------------------------------|------------------------|
| Taiwan                      | Taiwan Toxic Chemical Substances (TCS)        | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
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           | 01-11-2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Revision date        | 02-19-2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Prepared by          | Allison Yoon                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Version #            | 03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Revision information | This document has undergone significant changes and should be reviewed in its entirety.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |