

## 1. Identification

**Product identifier** DIESEL FUEL DRYER

**Other means of identification**

**SDS number** M7349

**Part No.** M7349

**Tariff code** 3811.19.0000

**Recommended use** DIESEL FUEL ADDITIVE

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Company name** RSC Chemical Solutions

**Address** 600 Radiator Road  
Indian Trail, NC 28079  
United States

**Telephone** Customer Service: (704) 821-7643  
Technical: (704) 684-1811

**Website** www.rscbrands.com

**E-mail** sds@rscbrands.com

**Emergency phone number** Emergency Telephone: (303) 623-5716  
Emergency Contact: RMPDC (877-740-5015)

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 3

**Health hazards** Acute toxicity, oral Category 4  
Acute toxicity, dermal Category 4  
Acute toxicity, inhalation Category 4  
Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A  
Carcinogenicity Category 2  
Specific target organ toxicity, single exposure Category 3 respiratory tract irritation

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Flammable liquid and vapor. Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Suspected of causing cancer.

### 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. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Response</b>                                  | If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish. |
| <b>Storage</b>                                   | Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Supplemental information</b>                  | 0.15% of the mixture consists of component(s) of unknown acute oral toxicity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name                                          | Common name and synonyms | CAS number | %        |
|--------------------------------------------------------|--------------------------|------------|----------|
| 2-Butoxyethanol                                        |                          | 111-76-2   | 90 - 100 |
| Petroleum naphtha                                      |                          | 64742-94-5 | 1 - < 3  |
| Distillates (petroleum), Hydrotreated Heavy Paraffinic |                          | 64742-54-7 | < 1      |
| NAPHTHALENE                                            |                          | 91-20-3    | < 0.2    |
| Other components below reportable levels               |                          |            | 1 - < 3  |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | 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.                                                                                                                                                                                                      |
| <b>Skin contact</b>                                                           | Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.                                                                                                                                                                   |
| <b>Eye contact</b>                                                            | 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.                                                                                                                                                                                                |
| <b>Ingestion</b>                                                              | Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.                                                                                                                                                                                                                                                |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.                                                                                                                                                                                   |
| <b>Indication of immediate medical attention and special treatment needed</b> | 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.                                                                      |
| <b>General information</b>                                                    | Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). 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. |

### 5. Fire-fighting measures

|                                                                      |                                                                                                                                                                                    |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Alcohol resistant foam. Water fog. Dry chemical powder. 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.                                                               |

|                             |                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------|
| <b>Specific methods</b>     | Use standard firefighting procedures and consider the hazards of other involved materials. |
| <b>General fire hazards</b> | Flammable liquid and vapor.                                                                |

## 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. Avoid inhalation of vapors and spray mists. 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). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.<br><br>Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. 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.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>                                           | 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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. 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 get in eyes, on skin, or on clothing. Avoid inhalation of vapors and spray mists. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. 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. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Keep away from heat, sparks and open flame. 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## 8. Exposure controls/personal protection

### Occupational exposure limits

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

| Components                         | Type | Value     |
|------------------------------------|------|-----------|
| 2-Butoxyethanol (CAS 111-76-2)     | PEL  | 240 mg/m3 |
|                                    |      | 50 ppm    |
| NAPHTHALENE (CAS 91-20-3)          | PEL  | 50 mg/m3  |
|                                    |      | 10 ppm    |
| Petroleum naphtha (CAS 64742-94-5) | PEL  | 400 mg/m3 |
|                                    |      | 100 ppm   |

#### US. ACGIH Threshold Limit Values

| Components                     | Type | Value  | Form |
|--------------------------------|------|--------|------|
| 2-Butoxyethanol (CAS 111-76-2) | TWA  | 20 ppm |      |

**US. ACGIH Threshold Limit Values**

| Components                                                              | Type | Value     | Form                |
|-------------------------------------------------------------------------|------|-----------|---------------------|
| Distillates (petroleum), Hydrotreated Heavy Paraffinic (CAS 64742-54-7) | TWA  | 5 mg/m3   | Inhalable fraction. |
| NAPHTHALENE (CAS 91-20-3)                                               | TWA  | 10 ppm    |                     |
| Petroleum naphtha (CAS 64742-94-5)                                      | TWA  | 200 mg/m3 | Non-aerosol.        |

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

| Components                     | Type | Value    |
|--------------------------------|------|----------|
| 2-Butoxyethanol (CAS 111-76-2) | TWA  | 24 mg/m3 |
|                                |      | 5 ppm    |
| NAPHTHALENE (CAS 91-20-3)      | STEL | 75 mg/m3 |
|                                |      | 15 ppm   |
|                                | TWA  | 50 mg/m3 |
|                                |      | 10 ppm   |

**Biological limit values****ACGIH Biological Exposure Indices**

| Components                     | Value    | Determinant                              | Specimen            | Sampling Time |
|--------------------------------|----------|------------------------------------------|---------------------|---------------|
| 2-Butoxyethanol (CAS 111-76-2) | 200 mg/g | Butoxyacetic acid (BAA), with hydrolysis | Creatinine in urine | *             |

\* - For sampling details, please see the source document.

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

2-Butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

2-Butoxyethanol (CAS 111-76-2)

Skin designation applies.

**US - Tennessee OELs: Skin designation**

2-Butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

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

NAPHTHALENE (CAS 91-20-3)

Can be absorbed through the skin.

Petroleum naphtha (CAS 64742-94-5)

Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

2-Butoxyethanol (CAS 111-76-2)

Can be absorbed through the skin.

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

2-Butoxyethanol (CAS 111-76-2)

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 must be available when handling this product.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Chemical respirator with organic vapor cartridge and full facepiece.

**Skin protection****Hand protection**

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other**

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection**

Chemical respirator with organic vapor cartridge and full facepiece.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

When using do not smoke. Keep away from food and drink. 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

|                                                     |                                   |
|-----------------------------------------------------|-----------------------------------|
| <b>Appearance</b>                                   | Clear to Hazy                     |
| <b>Physical state</b>                               | Liquid.                           |
| <b>Form</b>                                         | Liquid.                           |
| <b>Color</b>                                        | Light Straw Color                 |
| <b>Odor</b>                                         | Mild , Sweet. , Ester-like.       |
| <b>Odor threshold</b>                               | Not available.                    |
| <b>pH</b>                                           | Not available.                    |
| <b>Melting point/freezing point</b>                 | -102.64 °F (-74.8 °C) estimated   |
| <b>Initial boiling point and boiling range</b>      | > 300 °F (> 148.89 °C)            |
| <b>Flash point</b>                                  | 144.0 °F (62.2 °C) Tag Closed Cup |
| <b>Evaporation rate</b>                             | Not available.                    |
| <b>Flammability (solid, gas)</b>                    | Not applicable.                   |
| <b>Upper/lower flammability or explosive limits</b> |                                   |
| <b>Flammability limit - lower (%)</b>               | Not available.                    |
| <b>Flammability limit - upper (%)</b>               | Not available.                    |
| <b>Explosive limit - lower (%)</b>                  | Not available.                    |
| <b>Explosive limit - upper (%)</b>                  | Not available.                    |
| <b>Vapor pressure</b>                               | 1.17 hPa estimated                |
| <b>Vapor density</b>                                | Not available.                    |
| <b>Relative density</b>                             | Not available.                    |
| <b>Solubility(ies)</b>                              |                                   |
| <b>Solubility (water)</b>                           | Not available.                    |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                    |
| <b>Auto-ignition temperature</b>                    | 460.4 °F (238 °C) estimated       |
| <b>Decomposition temperature</b>                    | Not available.                    |
| <b>Viscosity</b>                                    | Not available.                    |
| <b>Other information</b>                            |                                   |
| <b>Density</b>                                      | 7.51 lbs/gal                      |
| <b>Explosive properties</b>                         | Not explosive.                    |
| <b>Flammability class</b>                           | Combustible IIIA estimated        |
| <b>Moisture</b>                                     | 0.3 %                             |
| <b>Oxidizing properties</b>                         | Not oxidizing.                    |
| <b>Percent volatile</b>                             | 94.7 % estimated                  |
| <b>Specific gravity</b>                             | 0.9                               |
| <b>VOC (Weight %)</b>                               | 94.7 % 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> | Hazardous polymerization does not occur.                                                                                                       |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong oxidizing agents.                                                                                                                       |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.                                                                                                 |

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** Harmful if inhaled.

**Skin contact** Harmful in contact with skin. Causes skin irritation.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans.

**Eye contact** Causes serious eye irritation.

**Ingestion** Harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain.

### Information on toxicological effects

**Acute toxicity** Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed. May cause respiratory irritation.

| Components                         | Species    | Test Results     |
|------------------------------------|------------|------------------|
| 2-Butoxyethanol (CAS 111-76-2)     |            |                  |
| <b>Acute</b>                       |            |                  |
| <b>Dermal</b>                      |            |                  |
| LD50                               | Rabbit     | 400 mg/kg        |
| <b>Inhalation</b>                  |            |                  |
| LC50                               | Mouse      | 700 ppm, 7 Hours |
|                                    | Rat        | 450 ppm, 4 Hours |
| <b>Oral</b>                        |            |                  |
| LD50                               | Guinea pig | 1.2 g/kg         |
|                                    | Mouse      | 1.2 g/kg         |
|                                    | Rabbit     | 0.32 g/kg        |
|                                    | Rat        | 560 mg/kg        |
| NAPHTHALENE (CAS 91-20-3)          |            |                  |
| <b>Acute</b>                       |            |                  |
| <b>Dermal</b>                      |            |                  |
| LD50                               | Rabbit     | > 2 g/kg         |
|                                    | Rat        | > 20 g/kg        |
| <b>Oral</b>                        |            |                  |
| LD50                               | Guinea pig | 1200 mg/kg       |
|                                    | Rat        | 490 mg/kg        |
| Petroleum naphtha (CAS 64742-94-5) |            |                  |
| <b>Acute</b>                       |            |                  |
| <b>Inhalation</b>                  |            |                  |
| LC50                               | Rat        | 61 mg/l, 4 Hours |
| <b>Oral</b>                        |            |                  |
| LD50                               | Rat        | > 25 ml/kg       |

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

### Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

|                                                                         |                                                                                                                                                          |  |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Germ cell mutagenicity</b>                                           | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.                                         |  |
| <b>Carcinogenicity</b>                                                  | Suspected of causing cancer.                                                                                                                             |  |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>           |                                                                                                                                                          |  |
| 2-Butoxyethanol (CAS 111-76-2)                                          | 3 Not classifiable as to carcinogenicity to humans.                                                                                                      |  |
| NAPHTHALENE (CAS 91-20-3)                                               | 2B Possibly carcinogenic to humans.                                                                                                                      |  |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>   |                                                                                                                                                          |  |
| Not listed.                                                             |                                                                                                                                                          |  |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b>      |                                                                                                                                                          |  |
| Distillates (petroleum), Hydrotreated Heavy Paraffinic (CAS 64742-54-7) | Known To Be Human Carcinogen.                                                                                                                            |  |
| 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 respiratory irritation.                                                                                                                        |  |
| <b>Specific target organ toxicity - repeated exposure</b>               | Not classified.                                                                                                                                          |  |
| <b>Aspiration hazard</b>                                                | Not an aspiration hazard.                                                                                                                                |  |
| <b>Chronic effects</b>                                                  | May be harmful if absorbed through skin. Prolonged inhalation may be harmful.                                                                            |  |
|                                                                         | 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans. |  |

## 12. Ecological information

|                    |                                                                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Components                         |      | Species                                              | Test Results               |
|------------------------------------|------|------------------------------------------------------|----------------------------|
| 2-Butoxyethanol (CAS 111-76-2)     |      |                                                      |                            |
| <b>Aquatic</b>                     |      |                                                      |                            |
| Fish                               | LC50 | Inland silverside (Menidia beryllina)                | 1250 mg/l, 96 hours        |
| NAPHTHALENE (CAS 91-20-3)          |      |                                                      |                            |
| <b>Aquatic</b>                     |      |                                                      |                            |
| Crustacea                          | EC50 | Water flea (Daphnia magna)                           | 1.09 - 3.4 mg/l, 48 hours  |
| Fish                               | LC50 | Pink salmon (Oncorhynchus gorbuscha)                 | 1.11 - 1.68 mg/l, 96 hours |
| Petroleum naphtha (CAS 64742-94-5) |      |                                                      |                            |
| <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         |

\* Estimates for product may be based on additional component data not shown.

|                                      |                                                            |
|--------------------------------------|------------------------------------------------------------|
| <b>Persistence and degradability</b> | No data is available on the degradability of this product. |
|--------------------------------------|------------------------------------------------------------|

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log Kow)

|                 |      |
|-----------------|------|
| 2-Butoxyethanol | 0.83 |
| NAPHTHALENE     | 3.3  |

|                         |                    |
|-------------------------|--------------------|
| <b>Mobility in soil</b> | No data available. |
|-------------------------|--------------------|

|                              |                                                                                                                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Other adverse effects</b> | 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

|                              |                                                                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b> | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                   |                                                        |
|-----------------------------------|--------------------------------------------------------|
| <b>Local disposal regulations</b> | Dispose in accordance with all applicable regulations. |
|-----------------------------------|--------------------------------------------------------|

|                                              |                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| <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.       |

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

|                                                                                 |                                                                         |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>UN number</b>                                                                | UN3082                                                                  |
| <b>UN proper shipping name</b>                                                  | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.                     |
| <b>Transport hazard class(es)</b>                                               |                                                                         |
| <b>Class</b>                                                                    | 9                                                                       |
| <b>Subsidiary risk</b>                                                          | -                                                                       |
| <b>Packing group</b>                                                            | III                                                                     |
| <b>Environmental hazards</b>                                                    |                                                                         |
| <b>Marine pollutant</b>                                                         | No.                                                                     |
| <b>EmS</b>                                                                      | F-A, S-F                                                                |
| <b>Special precautions for user</b>                                             | Read safety instructions, SDS and emergency procedures before handling. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not established.                                                        |

### IMDG



## 15. Regulatory information

|                               |                                                                                                                |
|-------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>US federal regulations</b> | 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.

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

2-Butoxyethanol (CAS 111-76-2) Listed.

NAPHTHALENE (CAS 91-20-3) Listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

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

|                          |                        |
|--------------------------|------------------------|
| <b>Hazard categories</b> | Immediate Hazard - Yes |
|                          | Delayed Hazard - Yes   |
|                          | Fire Hazard - Yes      |
|                          | Pressure Hazard - No   |
|                          | Reactivity Hazard - No |

### SARA 302 Extremely hazardous substance

Not listed.



SARA 311/312 Hazardous chemical No

**SARA 313 (TRI reporting)**

| Chemical name   | CAS number | % by wt. |
|-----------------|------------|----------|
| 2-Butoxyethanol | 111-76-2   | 90 - 100 |
| NAPHTHALENE     | 91-20-3    | < 0.2    |

**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.

**US state regulations**

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

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

2-Butoxyethanol (CAS 111-76-2)

Distillates (petroleum), Hydrotreated Heavy Paraffinic (CAS 64742-54-7)

NAPHTHALENE (CAS 91-20-3)

Petroleum naphtha (CAS 64742-94-5)

**US. Massachusetts RTK - Substance List**

2-Butoxyethanol (CAS 111-76-2)

NAPHTHALENE (CAS 91-20-3)

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

2-Butoxyethanol (CAS 111-76-2)

NAPHTHALENE (CAS 91-20-3)

Petroleum naphtha (CAS 64742-94-5)

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

2-Butoxyethanol (CAS 111-76-2)

NAPHTHALENE (CAS 91-20-3)

**US. Rhode Island RTK**

2-Butoxyethanol (CAS 111-76-2)

NAPHTHALENE (CAS 91-20-3)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

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

NAPHTHALENE (CAS 91-20-3)

Listed: April 19, 2002

**International Inventories**

| Country(s) or region        | Inventory name                                                         | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                         | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                          | Yes                    |
| New Zealand                 | New Zealand Inventory                                                  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | 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** 10-28-2015  
**Version #** 01  
**HMIS® ratings** Health: 2\*  
Flammability: 3  
Physical hazard: 0  
**NFPA ratings** Health: 2  
Flammability: 3  
Instability: 0

**NFPA ratings**



### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.