# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **Napa Mac's Carburetor Cleaner with Dipping Basket**

**Other means of identification**

**SDS number** 6406

**Part No.** 6406

**Tariff code** 3814.20.5090

**Recommended use** Cleaner

**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** Not available.

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

## 2. Hazard(s) identification

| | | |
|---|---|---|
| **Physical hazards** | Flammable liquids | Category 4 |
| **Health hazards** | Acute toxicity, oral | Category 4 |
| | Acute toxicity, dermal | Category 3 |
| | Acute toxicity, inhalation | Category 2 |
| | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Germ cell mutagenicity | Category 1B |
| | Carcinogenicity | Category 2 |
| | Reproductive toxicity | Category 1 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| **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** Combustible liquid. Harmful if swallowed. Toxic in contact with skin. Causes skin irritation. Causes serious eye irritation. Fatal if inhaled. May cause drowsiness or dizziness. May cause genetic defects. Suspected of causing cancer. May damage fertility or the unborn child. 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. Do not breathe vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection. |
| **Response** | If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. 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. Immediately call a poison center/doctor. Specific treatment is urgent (see this label). Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage. |
| **Storage** | Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. |
| **Disposal** | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Hazard(s) not otherwise classified (HNOC)** | Combustible. |
| **Supplemental information** | 49.75% of the mixture consists of component(s) of unknown acute oral toxicity. 53.71% of the mixture consists of component(s) of unknown acute dermal toxicity. 18.97% of the mixture consists of component(s) of unknown acute inhalation toxicity. 39.25% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 37.57% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. |

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| 2-Butoxyethanol | | 111-76-2 | 20 - < 30 |
| Distillates (petroleum), Hydrotreated Light | | 64742-47-8 | 20 - < 30 |
| Petroleum naphtha | | 64742-94-5 | 10 - < 20 |
| 1-methyl-2-pyrrolidone | | 872-50-4 | 1 - < 3 |
| Tert-butylbenzene | | 98-06-6 | 1 - < 3 |
| Triéthanolamine | | 102-71-6 | 1 - < 3 |
| DIETHANOLAMINE | | 111-42-2 | < 1 |
| NAPHTHALENE | | 91-20-3 | < 1 |
| Diethylbenzene | | 25340-17-4 | < 0.3 |
| Other components below reportable levels | | | 30 - < 40 |

*Designates that a 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. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately. |
| **Skin contact** | Take off immediately all contaminated clothing. Wash with plenty of soap and water. Get medical advice/attention if you feel unwell. 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** | Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell. |
| **Most important symptoms/effects, acute and delayed** | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Diarrhea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed. |

| | |
|---|---|
| **General information** | Take off immediately all contaminated clothing. 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. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Alcohol resistant foam. Water fog. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2). |
| **Unsuitable extinguishing media** | Do not use water jet as an extinguisher, as this will spread the fire. |
| **Specific hazards arising from the chemical** | The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed. |
| **Special protective equipment and precautions for firefighters** | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Fire fighting equipment/instructions** | 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. |
| **Specific methods** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **General fire hazards** | Combustible. Combustible liquid. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | 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 vapors or spray mist. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| **Methods and materials for containment and cleaning up** | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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. Prevent product from entering drains. 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. |
| **Environmental precautions** | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from open flames, hot surfaces and sources of ignition. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. 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. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. |
| **Conditions for safe storage, including any incompatibilities** | Store locked up. Keep away from heat and sources of ignition. 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 | |
| DIETHANOLAMINE (CAS 111-42-2) | TWA | 1 mg/m3 | Inhalable fraction and vapor. |
| NAPHTHALENE (CAS 91-20-3) | TWA | 10 ppm | |
| Petroleum naphtha (CAS 64742-94-5) | TWA | 200 mg/m3 | Non-aerosol. |
| Triéthanolamine (CAS 102-71-6) | TWA | 5 mg/m3 | |

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

| Components | Type | Value |
|---|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | TWA | 24 mg/m3 |
| | | 5 ppm |
| DIETHANOLAMINE (CAS 111-42-2) | TWA | 15 mg/m3 |
| | | 3 ppm |
| Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8) | TWA | 100 mg/m3 |
| NAPHTHALENE (CAS 91-20-3) | STEL | 75 mg/m3 |
| | | 15 ppm |
| | TWA | 50 mg/m3 |
| | | 10 ppm |

**US. Workplace Environmental Exposure Level (WEEL) Guides**

| Components | Type | Value |
|---|---|---|
| 1-methyl-2-pyrrolidone (CAS 872-50-4) | TWA | 40 mg/m3 |
| | | 10 ppm |
| Diethylbenzene (CAS 25340-17-4) | TWA | 5 ppm |

### Biological limit values

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| 1-methyl-2-pyrrolidone (CAS 872-50-4) | 100 mg/l | 5-Hydroxy-N-methyl-2-pyrrolidone | Urine | * |
| 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. |
| DIETHANOLAMINE (CAS 111-42-2) | 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**

| | |
|---|---|
| DIETHANOLAMINE (CAS 111-42-2) | Can be absorbed through the skin. |
| 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 WEEL Guides: Skin designation**

| | |
|---|---|
| 1-methyl-2-pyrrolidone (CAS 872-50-4) | 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** 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

| | |
|---|---|
| **Appearance** | Clear. Liquid. |
| **Physical state** | Liquid. |
| **Form** | Liquid. |
| **Color** | Pale yellow |
| **Odor** | Aromatic. |
| **Odor threshold** | Not available. |
| **pH** | 7 - 9 |
| **Melting point/freezing point** | -102.64 °F (-74.8 °C) estimated |
| **Initial boiling point and boiling range** | 335.12 °F (168.4 °C) estimated |
| **Flash point** | 160.0 °F (71.1 °C) Tag Closed Cup |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not applicable. |

**Upper/lower flammability or explosive limits**

| | |
|---|---|
| **Flammability limit - lower (%)** | 0.7 % estimated |
| **Flammability limit - upper (%)** | 5 % estimated |
| **Explosive limit - lower (%)** | Not available. |

| | |
|---|---|
| **Explosive limit - upper (%)** | Not available. |
| **Vapor pressure** | 0.62 hPa estimated |
| **Vapor density** | Not available. |
| **Relative density** | Not available. |
| **Solubility(ies)** | |
| **Solubility (water)** | Not available. |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Auto-ignition temperature** | 410 °F (210 °C) estimated |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not available. |
| **Other information** | |
| **Density** | 7.65 lbs/gal |
| **Explosive properties** | Not explosive. |
| **Flammability class** | Combustible IIIA estimated |
| **Oxidizing properties** | Not oxidizing. |
| **Percent volatile** | 41 % estimated |
| **Specific gravity** | 0.92 |
| **VOC (Weight %)** | < 46 % w/w |

## 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** | Hazardous polymerization does not occur. |
| **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. |
| **Hazardous decomposition products** | No hazardous decomposition products are known. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Fatal if inhaled. May cause drowsiness and dizziness. Headache. Nausea, vomiting. |
| **Skin contact** | Toxic in contact with skin. Causes skin irritation.<br><br>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.<br><br>Prolonged or repeated exposure may cause liver and kidney damage. 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. May cause drowsiness and dizziness. Nausea, vomiting. Diarrhea. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. |

**Information on toxicological effects**

**Acute toxicity** Fatal if inhaled. Toxic in contact with skin. Harmful if swallowed. Narcotic effects.

| Components | Species | Test Results |
|---|---|---|
| 1-methyl-2-pyrrolidone (CAS 872-50-4) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | 8000 mg/kg |

| Components | Species | Test Results |
|---|---|---|
| **Oral** | | |
| LD50 | Mouse | 5130 mg/kg |
| | Rat | 3914 mg/kg |
| | | 4.2 ml/kg |
| 2-Butoxyethanol (CAS 111-76-2) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | 400 mg/kg |
| **Inhalation** | | |
| LC50 | Mouse | 700 ppm, 7 Hours |
| | Rat | 450 ppm, 4 Hours |
| **Oral** | | |
| LD50 | Guinea pig | 1.2 g/kg |
| | Mouse | 1.2 g/kg |
| | Rabbit | 0.32 g/kg |
| | Rat | 560 mg/kg |
| DIETHANOLAMINE (CAS 111-42-2) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | 11.9 ml/kg |
| **Oral** | | |
| LD50 | Rat | 710 mg/kg |
| NAPHTHALENE (CAS 91-20-3) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 2 g/kg |
| | Rat | > 20 g/kg |
| **Oral** | | |
| LD50 | Guinea pig | 1200 mg/kg |
| | Rat | 490 mg/kg |
| Petroleum naphtha (CAS 64742-94-5) | | |
| **Acute** | | |
| **Inhalation** | | |
| LC50 | Rat | 61 mg/l, 4 Hours |
| **Oral** | | |
| LD50 | Rat | > 25 ml/kg |
| Triéthanolamine (CAS 102-71-6) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 20000 mg/kg |
| **Oral** | | |
| LD50 | Guinea pig | 5300 mg/kg |
| | Rat | 8 g/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.

**Germ cell mutagenicity** May cause genetic defects.

**Carcinogenicity** Suspected of causing cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | 3 Not classifiable as to carcinogenicity to humans. |
| DIETHANOLAMINE (CAS 111-42-2) | 2B Possibly carcinogenic to humans. |
| NAPHTHALENE (CAS 91-20-3) | 2B Possibly carcinogenic to humans. |
| Triéthanolamine (CAS 102-71-6) | 3 Not classifiable as to carcinogenicity to humans. |

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

Not listed.

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

| | |
|---|---|
| NAPHTHALENE (CAS 91-20-3) | Reasonably Anticipated to be a Human Carcinogen. |

**Reproductive toxicity** May damage fertility or the unborn child.

**Specific target organ toxicity - single exposure** May cause drowsiness and dizziness.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** 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.

Prolonged exposure may cause chronic effects.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

## 12. Ecological information

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

| Components | | Species | Test Results |
|---|---|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Inland silverside (Menidia beryllina) | 1250 mg/l, 96 hours |
| DIETHANOLAMINE (CAS 111-42-2) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 61.8 - 86.04 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 100 mg/l, 96 hours |
| Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 2.9 mg/l, 96 hours |
| NAPHTHALENE (CAS 91-20-3) | | | |
| **Aquatic** | | | |
| 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) | | | |
| **Aquatic** | | | |
| 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 |

| Components | | Species | Test Results |
|---|---|---|---|
| Triéthanolamine (CAS 102-71-6) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Ceriodaphnia dubia) | 565.2 - 658.3 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 10610 - 13010 mg/l, 96 hours |

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

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

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

| | |
|---|---|
| 1-methyl-2-pyrrolidone | -0.54 |
| 2-Butoxyethanol | 0.83 |
| DIETHANOLAMINE | -1.43 |
| NAPHTHALENE | 3.3 |
| Tert-butylbenzene | 4.11 |
| Triéthanolamine | -1 |

**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

**Disposal instructions** 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 of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** 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).

**Contaminated packaging** 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**

**UN number** Not available.
**UN proper shipping name** Consumer commodity(Solvent Naphtha Heavy Aromatic Petroleum)
**Transport hazard class(es)**
**Class** ORM-D
**Subsidiary risk** -
**Label(s)** None
**Packing group** Not applicable.
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.
**Packaging exceptions** 156, 306
**Packaging non bulk** 156, 306
**Packaging bulk** None

**IATA**

**UN number** ID8000
**UN proper shipping name** Consumer commodity
**Transport hazard class(es)**
**Class** 9
**Subsidiary risk** -
**Packing group** Not applicable.
**Environmental hazards** No.
**ERG Code** 9L
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Other information**

| | |
|---|---|
| **Passenger and cargo aircraft** | Allowed. |
| **Cargo aircraft only** | Allowed. |

**IMDG**

| | |
|---|---|
| **UN number** | UN1223 |
| **UN proper shipping name** | KEROSENE SOLUTION (Petroleum naphtha) |
| **Transport hazard class(es)** | |
| **Class** | 3 |
| **Subsidiary risk** | - |
| **Packing group** | III |
| **Environmental hazards** | |
| **Marine pollutant** | No. |
| **EmS** | F-E, S-E |
| **Special precautions for user** | Read safety instructions, SDS and emergency procedures before handling. |
| **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** | Not established. |

**IATA**


**IMDG**


## 15. Regulatory information

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

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

Not regulated.

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

| | |
|---|---|
| 2-Butoxyethanol (CAS 111-76-2) | Listed. |
| DIETHANOLAMINE (CAS 111-42-2) | 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)**

| | |
|---|---|
| **Hazard categories** | Immediate Hazard - Yes<br>Delayed Hazard - Yes<br>Fire Hazard - Yes<br>Pressure Hazard - No<br>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 | 20 - < 30 |
| 1-methyl-2-pyrrolidone | 872-50-4 | 1 - < 3 |
| DIETHANOLAMINE | 111-42-2 | < 1 |
| NAPHTHALENE | 91-20-3 | < 1 |

**Other federal regulations**

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

DIETHANOLAMINE (CAS 111-42-2)
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))**

1-methyl-2-pyrrolidone (CAS 872-50-4)
2-Butoxyethanol (CAS 111-76-2)
DIETHANOLAMINE (CAS 111-42-2)
Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8)
NAPHTHALENE (CAS 91-20-3)
Petroleum naphtha (CAS 64742-94-5)
Tert-butylbenzene (CAS 98-06-6)

**US. Massachusetts RTK - Substance List**

1-methyl-2-pyrrolidone (CAS 872-50-4)
2-Butoxyethanol (CAS 111-76-2)
DIETHANOLAMINE (CAS 111-42-2)
Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8)
NAPHTHALENE (CAS 91-20-3)
Tert-butylbenzene (CAS 98-06-6)
Triéthanolamine (CAS 102-71-6)

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

1-methyl-2-pyrrolidone (CAS 872-50-4)
2-Butoxyethanol (CAS 111-76-2)
DIETHANOLAMINE (CAS 111-42-2)
Diethylbenzene (CAS 25340-17-4)
Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8)
NAPHTHALENE (CAS 91-20-3)
Petroleum naphtha (CAS 64742-94-5)
Tert-butylbenzene (CAS 98-06-6)
Triéthanolamine (CAS 102-71-6)

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

1-methyl-2-pyrrolidone (CAS 872-50-4)
2-Butoxyethanol (CAS 111-76-2)
DIETHANOLAMINE (CAS 111-42-2)
Distillates (petroleum), Hydrotreated Light (CAS 64742-47-8)
NAPHTHALENE (CAS 91-20-3)
Tert-butylbenzene (CAS 98-06-6)
Triéthanolamine (CAS 102-71-6)

**US. Rhode Island RTK**

1-methyl-2-pyrrolidone (CAS 872-50-4)
2-Butoxyethanol (CAS 111-76-2)
DIETHANOLAMINE (CAS 111-42-2)

NAPHTHALENE (CAS 91-20-3)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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

| | |
|---|---|
| DIETHANOLAMINE (CAS 111-42-2) | Listed: June 22, 2012 |
| NAPHTHALENE (CAS 91-20-3) | Listed: April 19, 2002 |

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

| | |
|---|---|
| 1-methyl-2-pyrrolidone (CAS 872-50-4) | Listed: June 15, 2001 |

**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) | No |
| Canada | Non-Domestic Substances List (NDSL) | Yes |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| 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) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| 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** 05-01-2015

**Version #** 01

**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.