

1. Identification

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|---|--|----------------------|
| Product identifier | Liquid Wrench Rust Inhibitor | |
| Other means of identification | | |
| SDS number | LC9/6 | |
| Part No. | LC9/6 | |
| Tariff code | 3403.19.1000 | |
| Recommended use | Corrosion Inhibiting Lubricant | |
| 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 aerosols | Category 2 |
| Health hazards | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Germ cell mutagenicity | Category 1B |
| | Carcinogenicity | Category 1B |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| | Aspiration hazard | Category 1 |
| Environmental hazards | Not classified. | |
| OSHA defined hazards | Not classified. | |
| Label elements | | |



| | |
|--------------------------------|--|
| Signal word | Danger |
| Hazard statement | Flammable aerosol. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause genetic defects. May cause 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. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. |

| | |
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| Response | 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. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| Storage | Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international 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), Hydrotreated Heavy Naphthenic | | 64742-52-5 | 60 - < 70 |
| 2-(2-butoxyéthoxy) Éthanol | | 112-34-5 | 10 - < 20 |
| Carbon Dioxide | | 124-38-9 | 3 - < 5 |
| Naphtha (petroleum), Hydrotreated Heavy | | 64742-48-9 | 1 - < 3 |
| Solvent Naphtha (petroleum), Medium Aliph. | | 64742-88-7 | 1 - < 3 |
| Stoddard Solvent | | 8052-41-3 | 1 - < 3 |
| 1,2,4-Trimethylbenzene | | 95-63-6 | < 1 |
| BENZENE, DIMETHYL | | 1330-20-7 | < 1 |
| NAPHTHALENE | | 91-20-3 | < 1 |
| Nonane | | 111-84-2 | < 0.3 |
| Trimethylbenzene | | 25551-13-7 | < 0.3 |
| Calcium Carbonate | | 471-34-1 | < 0.2 |
| BENZENE | | 71-43-2 | < 0.1 |
| BENZENE, METHYL- | | 108-88-3 | < 0.1 |
| BENZENE,1-METHYLETHYL- | | 98-82-8 | < 0.1 |
| ETHYLBENZENE | | 100-41-4 | < 0.1 |
| HEXANE | | 110-54-3 | < 0.1 |
| Other components below reportable levels | | | 5 - < 10 |

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

4. First-aid measures

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|---|--|
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Skin contact | Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| Ingestion | In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth. |
| Most important symptoms/effects, acute and delayed | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |

General information IF exposed or concerned: Get medical advice/attention. 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 Powder. Alcohol resistant foam. 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 Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards Flammable aerosol.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing 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.

Methods and materials for containment and cleaning up Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

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. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Level 2 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

| Components | Type | Value |
|-----------------------|------|-------|
| BENZENE (CAS 71-43-2) | STEL | 5 ppm |
| | TWA | 1 ppm |

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

| Components | Type | Value | Form |
|--|------|------------------------------------|----------------------|
| BENZENE, DIMETHYL (CAS 1330-20-7) | PEL | 435 mg/m3 | |
| BENZENE,1-METHYLETHY L- (CAS 98-82-8) | PEL | 100 ppm 245 mg/m3 | |
| Calcium Carbonate (CAS 471-34-1) | PEL | 50 ppm 5 mg/m3 | Respirable fraction. |
| Carbon Dioxide (CAS 124-38-9) | PEL | 15 mg/m3 9000 mg/m3 | Total dust. |
| Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5) | PEL | 5000 ppm 5 mg/m3 | Mist. |
| ETHYLBENZENE (CAS 100-41-4) | PEL | 2000 mg/m3 500 ppm 435 mg/m3 | |
| HEXANE (CAS 110-54-3) | PEL | 100 ppm 1800 mg/m3 | |
| Naphtha (petroleum), Hydrotreated Heavy (CAS 64742-48-9) | PEL | 500 ppm 400 mg/m3 | |
| NAPHTHALENE (CAS 91-20-3) | PEL | 100 ppm 50 mg/m3 | |
| Stoddard Solvent (CAS 8052-41-3) | PEL | 10 ppm 2900 mg/m3 | |
| | | 500 ppm | |

US. OSHA Table Z-2 (29 CFR 1910.1000)

| Components | Type | Value |
|------------------------------------|---------|---------|
| BENZENE (CAS 71-43-2) | Ceiling | 25 ppm |
| | TWA | 10 ppm |
| BENZENE, METHYL- (CAS 108-88-3) | Ceiling | 300 ppm |
| | TWA | 200 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|--|------|-----------|----------------------------------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | TWA | 25 ppm | |
| 2-(2-butoxyéthoxy) Éthanol (CAS 112-34-5) | TWA | 10 ppm | Inhalable fraction and vapor. |
| BENZENE (CAS 71-43-2) | STEL | 2.5 ppm | |
| | TWA | 0.5 ppm | |
| BENZENE, DIMETHYL (CAS 1330-20-7) | STEL | 150 ppm | |
| | TWA | 100 ppm | |
| BENZENE, METHYL- (CAS 108-88-3) | TWA | 20 ppm | |
| BENZENE,1-METHYLETHY L- (CAS 98-82-8) | TWA | 50 ppm | |
| Carbon Dioxide (CAS 124-38-9) | STEL | 30000 ppm | |
| | TWA | 5000 ppm | |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---|------|-----------|---------------------|
| Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5) | TWA | 5 mg/m3 | Inhalable fraction. |
| ETHYLBENZENE (CAS 100-41-4) | TWA | 20 ppm | |
| HEXANE (CAS 110-54-3) | TWA | 50 ppm | |
| NAPHTHALENE (CAS 91-20-3) | TWA | 10 ppm | |
| Nonane (CAS 111-84-2) | TWA | 200 ppm | |
| Solvent Naphtha (petroleum), Medium Aliph. (CAS 64742-88-7) | TWA | 200 mg/m3 | Non-aerosol. |
| Stoddard Solvent (CAS 8052-41-3) | TWA | 100 ppm | |
| Trimethylbenzene (CAS 25551-13-7) | TWA | 25 ppm | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|---|---------|-------------|-------------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | TWA | 125 mg/m3 | |
| | | 25 ppm | |
| BENZENE (CAS 71-43-2) | STEL | 1 ppm | |
| | TWA | 0.1 ppm | |
| BENZENE, METHYL- (CAS 108-88-3) | STEL | 560 mg/m3 | |
| | | 150 ppm | |
| | TWA | 375 mg/m3 | |
| | | 100 ppm | |
| BENZENE, 1-METHYLETHYL- (CAS 98-82-8) | TWA | 245 mg/m3 | |
| | | 50 ppm | |
| Calcium Carbonate (CAS 471-34-1) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Carbon Dioxide (CAS 124-38-9) | STEL | 54000 mg/m3 | |
| | | 30000 ppm | |
| | TWA | 9000 mg/m3 | |
| | | 5000 ppm | |
| Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5) | Ceiling | 1800 mg/m3 | |
| | STEL | 10 mg/m3 | Mist. |
| ETHYLBENZENE (CAS 100-41-4) | STEL | 545 mg/m3 | |
| | | 125 ppm | |
| | TWA | 435 mg/m3 | |
| | | 100 ppm | |
| HEXANE (CAS 110-54-3) | TWA | 180 mg/m3 | |
| | | 50 ppm | |
| Naphtha (petroleum), Hydrotreated Heavy (CAS 64742-48-9) | TWA | 400 mg/m3 | |
| | | 100 ppm | |
| NAPHTHALENE (CAS 91-20-3) | STEL | 75 mg/m3 | |
| | | 15 ppm | |
| | TWA | 50 mg/m3 | |
| | | 10 ppm | |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|---|---------|-----------------------|------|
| Nonane (CAS 111-84-2) | TWA | 1050 mg/m3 200 ppm | |
| Solvent Naphtha (petroleum), Medium Aliph. (CAS 64742-88-7) | TWA | 100 mg/m3 | |
| Stoddard Solvent (CAS 8052-41-3) | Ceiling | 1800 mg/m3 | |
| | TWA | 350 mg/m3 | |

Biological limit values

ACGIH Biological Exposure Indices

| Components | Value | Determinant | Specimen | Sampling Time |
|-----------------------------------|-----------|---|---------------------|---------------|
| BENZENE (CAS 71-43-2) | 25 µg/g | S-Phenylmercapturic acid | Creatinine in urine | * |
| BENZENE, DIMETHYL (CAS 1330-20-7) | 1.5 g/g | Methylhippuric acids | Creatinine in urine | * |
| BENZENE, METHYL- (CAS 108-88-3) | 0.3 mg/g | o-Cresol, with hydrolysis | Creatinine in urine | * |
| | 0.03 mg/l | Toluene | Urine | * |
| | 0.02 mg/l | Toluene | Blood | * |
| ETHYLBENZENE (CAS 100-41-4) | 0.15 g/g | Sum of mandelic acid and phenylglyoxylic acid | Creatinine in urine | * |
| HEXANE (CAS 110-54-3) | 0.4 mg/l | 2,5-Hexanedione, without hydrolysis | Urine | * |

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

Exposure guidelines

US - California OELs: Skin designation

| | |
|--------------------------------------|-----------------------------------|
| BENZENE (CAS 71-43-2) | Can be absorbed through the skin. |
| BENZENE, METHYL- (CAS 108-88-3) | Can be absorbed through the skin. |
| BENZENE,1-METHYLETHYL- (CAS 98-82-8) | Can be absorbed through the skin. |
| HEXANE (CAS 110-54-3) | Can be absorbed through the skin. |
| NAPHTHALENE (CAS 91-20-3) | Can be absorbed through the skin. |

US - Minnesota Haz Subs: Skin designation applies

| | |
|--------------------------------------|---------------------------|
| BENZENE, METHYL- (CAS 108-88-3) | Skin designation applies. |
| BENZENE,1-METHYLETHYL- (CAS 98-82-8) | Skin designation applies. |

US - Tennessee OELs: Skin designation

| | |
|--------------------------------------|-----------------------------------|
| BENZENE,1-METHYLETHYL- (CAS 98-82-8) | Can be absorbed through the skin. |
|--------------------------------------|-----------------------------------|

US ACGIH Threshold Limit Values: Skin designation

| | |
|---|-----------------------------------|
| BENZENE (CAS 71-43-2) | Can be absorbed through the skin. |
| HEXANE (CAS 110-54-3) | Can be absorbed through the skin. |
| NAPHTHALENE (CAS 91-20-3) | Can be absorbed through the skin. |
| Solvent Naphtha (petroleum), Medium Aliph. (CAS 64742-88-7) | Can be absorbed through the skin. |

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

| | |
|--------------------------------------|-----------------------------------|
| BENZENE,1-METHYLETHYL- (CAS 98-82-8) | Can be absorbed through the skin. |
|--------------------------------------|-----------------------------------|

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

| | |
|--------------------------------------|-----------------------------------|
| BENZENE,1-METHYLETHYL- (CAS 98-82-8) | 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 wear safety glasses with side shields (or goggles)

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| 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 if threshold limits are exceeded. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. |

9. Physical and chemical properties

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|---|---------------------------------------|
| Appearance | Hazy |
| Physical state | Liquid. |
| Form | Aerosol. |
| Color | Not available. |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | -90.58 °F (-68.1 °C) estimated |
| Initial boiling point and boiling range | 314.6 °F (157 °C) estimated |
| Flash point | > 205.0 °F (> 96.1 °C) Tag Closed Cup |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | 0.09 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 | 229 °F (109.44 °C) estimated |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Density | 7.77 lbs/gal estimated |
| Explosive properties | Not explosive. |
| Flame extension | < 18 in |
| Flammability (flash back) | No |
| Flammability class | Combustible IIIB estimated |
| Heat of combustion (NFPA 30B) | 26.84 kJ/g estimated |
| Oxidizing properties | Not oxidizing. |
| Percent volatile | 15.06 % estimated |
| Specific gravity | 0.93 estimated |

VOC

8.7 % w/w

10. Stability and reactivity

| | |
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| 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 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

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|---------------------|--|
| Inhalation | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
| Skin contact | Causes skin irritation. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | Expected to be a low ingestion hazard. |

Symptoms related to the physical, chemical and toxicological characteristics Headache. May cause drowsiness and dizziness. 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

Acute toxicity Narcotic effects.

| Components | Species | Test Results |
|---|---------|-------------------|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 3160 mg/kg |
| 2-(2-butoxyéthoxy) Éthanol (CAS 112-34-5) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | 2700 mg/kg |
| Oral | | |
| LD50 | Rat | 4500 mg/kg |
| BENZENE, DIMETHYL (CAS 1330-20-7) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | 3523 - 8600 mg/kg |
| BENZENE,1-METHYLETHYL- (CAS 98-82-8) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | 1400 mg/kg |
| ETHYLBENZENE (CAS 100-41-4) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | 3500 mg/kg |
| NAPHTHALENE (CAS 91-20-3) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2 g/kg |

| Components | Species | Test Results |
|---------------------|---------|--------------|
| Oral LD50 | Rat | 490 mg/kg |

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

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|--|---|
| 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 | May cause cancer. |

IARC Monographs. Overall Evaluation of Carcinogenicity

| | |
|--------------------------------------|---|
| BENZENE (CAS 71-43-2) | 1 Carcinogenic to humans. |
| BENZENE, DIMETHYL (CAS 1330-20-7) | 3 Not classifiable as to carcinogenicity to humans. |
| BENZENE, METHYL- (CAS 108-88-3) | 3 Not classifiable as to carcinogenicity to humans. |
| BENZENE,1-METHYLETHYL- (CAS 98-82-8) | 2B Possibly carcinogenic to humans. |
| ETHYLBENZENE (CAS 100-41-4) | 2B Possibly carcinogenic to humans. |
| NAPHTHALENE (CAS 91-20-3) | 2B Possibly carcinogenic to humans. |
| Stoddard Solvent (CAS 8052-41-3) | 3 Not classifiable as to carcinogenicity to humans. |

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

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|-----------------------|--------|
| BENZENE (CAS 71-43-2) | Cancer |
|-----------------------|--------|

US. National Toxicology Program (NTP) Report on Carcinogens

| | |
|--------------------------------------|--|
| BENZENE (CAS 71-43-2) | Known To Be Human Carcinogen. |
| BENZENE,1-METHYLETHYL- (CAS 98-82-8) | Reasonably Anticipated to be a Human Carcinogen. |
| NAPHTHALENE (CAS 91-20-3) | Reasonably Anticipated to be a Human Carcinogen. |

| | |
|---|--|
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| 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 | Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. |

12. Ecological information

Ecotoxicity 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 |
|---|---------|---|
| 1,2,4-Trimethylbenzene (CAS 95-63-6) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) 7.19 - 8.28 mg/l, 96 hours |
| 2-(2-butoxyéthoxy) Éthanol (CAS 112-34-5) | | |
| Aquatic | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) 1300 mg/l, 96 hours |
| BENZENE (CAS 71-43-2) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) 8.76 - 15.6 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) 7.2 - 11.7 mg/l, 96 hours |
| BENZENE, DIMETHYL (CAS 1330-20-7) | | |
| Aquatic | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) 7.711 - 9.591 mg/l, 96 hours |

| Components | Species | Test Results |
|---|---------|--|
| BENZENE, METHYL- (CAS 108-88-3) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) 5.46 - 9.83 mg/l, 48 hours |
| Fish | LC50 | Coho salmon,silver salmon (Oncorhynchus kisutch) 8.11 mg/l, 96 hours |
| BENZENE,1-METHYLETHYL- (CAS 98-82-8) | | |
| Aquatic | | |
| Crustacea | EC50 | Brine shrimp (Artemia sp.) 3.55 - 11.29 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) 2.7 mg/l, 96 hours |
| Calcium Carbonate (CAS 471-34-1) | | |
| Aquatic | | |
| Fish | LC50 | Western mosquitofish (Gambusia affinis) > 56000 mg/l, 96 hours |
| ETHYLBENZENE (CAS 100-41-4) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia magna) 1.37 - 4.4 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) 7.5 - 11 mg/l, 96 hours |
| HEXANE (CAS 110-54-3) | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) 2.101 - 2.981 mg/l, 96 hours |
| Naphtha (petroleum), Hydrotreated Heavy (CAS 64742-48-9) | | |
| 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 |
| 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 |

* 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)

| | |
|----------------------------|-------------|
| 2-(2-butoxyéthoxy) Éthanol | 0.56 |
| BENZENE | 2.13 |
| BENZENE, DIMETHYL | 3.12 - 3.2 |
| BENZENE, METHYL- | 2.73 |
| BENZENE,1-METHYLETHYL- | 3.66 |
| ETHYLBENZENE | 3.15 |
| HEXANE | 3.9 |
| NAPHTHALENE | 3.3 |
| Nonane | 5.46 |
| Stoddard Solvent | 3.16 - 7.15 |

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. Contents under pressure. Do not puncture, incinerate or crush. 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. Do not re-use empty containers. |

14. Transport information

DOT

| | |
|-------------------------------------|---|
| UN number | Not available. |
| UN proper shipping name | Consumer Commodity |
| Transport hazard class(es) | |
| Class | ORM-D |
| Subsidiary risk | - |
| Packing group | Not applicable. |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

IATA

| | |
|-------------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosol, flammable |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Packing group | Not applicable. |
| Environmental hazards | No. |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. |

IMDG

| | |
|-------------------------------------|---|
| UN number | UN1950 |
| UN proper shipping name | Aerosols |
| Transport hazard class(es) | |
| Class | 2.1 |
| Subsidiary risk | - |
| Packing group | Not applicable. |
| Environmental hazards | |
| Marine pollutant | No. |
| EmS | F-D, S-U |
| 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)

Nonane (CAS 111-84-2) 1.0 % One-Time Export Notification only.

CERCLA Hazardous Substance List (40 CFR 302.4)

2-(2-butoxyéthoxy) Éthanol (CAS 112-34-5) Listed.
 BENZENE (CAS 71-43-2) Listed.

| | |
|--------------------------------------|---------|
| BENZENE, DIMETHYL (CAS 1330-20-7) | Listed. |
| BENZENE, METHYL- (CAS 108-88-3) | Listed. |
| BENZENE,1-METHYLETHYL- (CAS 98-82-8) | Listed. |
| ETHYLBENZENE (CAS 100-41-4) | Listed. |
| HEXANE (CAS 110-54-3) | Listed. |
| NAPHTHALENE (CAS 91-20-3) | Listed. |
| Nonane (CAS 111-84-2) | Listed. |

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

| | |
|-----------------------|------------------------------|
| BENZENE (CAS 71-43-2) | Cancer |
| | Central nervous system |
| | Blood |
| | Aspiration |
| | Skin |
| | Eye |
| | respiratory tract irritation |
| | Flammability |

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories 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. |
|----------------------------|------------|-----------|
| 1,2,4-Trimethylbenzene | 95-63-6 | < 1 |
| 2-(2-butoxyéthoxy) Éthanol | 112-34-5 | 10 - < 20 |
| BENZENE | 71-43-2 | < 0.1 |
| BENZENE, DIMETHYL | 1330-20-7 | < 1 |
| ETHYLBENZENE | 100-41-4 | < 0.1 |
| NAPHTHALENE | 91-20-3 | < 1 |

Other federal regulations

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

2-(2-butoxyéthoxy) Éthanol (CAS 112-34-5)
 BENZENE (CAS 71-43-2)
 BENZENE, DIMETHYL (CAS 1330-20-7)
 BENZENE, METHYL- (CAS 108-88-3)
 BENZENE,1-METHYLETHYL- (CAS 98-82-8)
 ETHYLBENZENE (CAS 100-41-4)
 HEXANE (CAS 110-54-3)
 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.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

BENZENE, METHYL- (CAS 108-88-3) 6594

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

BENZENE, METHYL- (CAS 108-88-3) 35 %WV

DEA Exempt Chemical Mixtures Code Number

BENZENE, METHYL- (CAS 108-88-3) 594

US state regulations

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

BENZENE (CAS 71-43-2) Listed: February 27, 1987

BENZENE,1-METHYLETHYL- (CAS 98-82-8) Listed: April 6, 2010
 ETHYLBENZENE (CAS 100-41-4) Listed: June 11, 2004
 NAPHTHALENE (CAS 91-20-3) Listed: April 19, 2002

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

BENZENE (CAS 71-43-2) Listed: December 26, 1997
 BENZENE, METHYL- (CAS 108-88-3) Listed: January 1, 1991

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

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

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

1,2,4-Trimethylbenzene (CAS 95-63-6)
 2-(2-butoxyéthoxy) Éthanol (CAS 112-34-5)
 BENZENE (CAS 71-43-2)
 BENZENE, DIMETHYL (CAS 1330-20-7)
 BENZENE, METHYL- (CAS 108-88-3)
 BENZENE,1-METHYLETHYL- (CAS 98-82-8)
 Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)
 ETHYLBENZENE (CAS 100-41-4)
 HEXANE (CAS 110-54-3)
 Naphtha (petroleum), Hydrotreated Heavy (CAS 64742-48-9)
 NAPHTHALENE (CAS 91-20-3)
 Solvent Naphtha (petroleum), Medium Aliph. (CAS 64742-88-7)
 Stoddard Solvent (CAS 8052-41-3)

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) | 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 |
| 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 11-17-2015
Revision date 10-31-2016
Version # 03
HMIS® ratings Health: 3*
 Flammability: 1
 Physical hazard: 0
NFPA ratings Health: 2
 Flammability: 1
 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.

Revision information

Product and Company Identification: Product and Company Identification

Hazard(s) identification: Hazard statement

Exposure controls/personal protection: Eye/face protection

Exposure controls/personal protection: Respiratory protection

Physical & Chemical Properties: Multiple Properties

Transport Information: Material Transportation Information

GHS: Classification