



SAFETY DATA SHEET

Issue Date 1997 09 01

Revision Date 2015 08 18

Version 9.11

1. IDENTIFICATION

Product identifier

Product Name SAILKOTE US AEROSOL

Other means of identification

Product Code SKUS AERO

Synonyms Mixture

Recommended use of the chemical and restrictions on use

Recommended Use Dry lubricant Aerosol

Uses advised against

Details of the supplier of the safety data sheet

Manufacturer Address McGee Industries, Inc.
9 Crozerville Rd
P.O. Box 2425
Aston, PA 19014

E-mail address info@mclube.com

Emergency telephone number

Company Phone Number 1-800-262-5823 (Within US)
1-610-459-1890

Emergency Telephone CHEMTREC:
1-800-424-9300 (Within US)
1-703-527-3887 (Outside US)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is considered hazardous. This information is supplied under the OSHA Hazard Communication Standard (29 CFR 1910.1200), and is offered in good faith based on data available to us that we believe to be true and accurate.

| | |
|--|----------------|
| Skin corrosion/irritation | Category 2 |
| Reproductive toxicity | Category 2 |
| Specific target organ toxicity (single exposure) | Category 3 |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Aspiration toxicity | Category 1 |
| Flammable aerosols | Category 1 |
| Gases under pressure | Compressed gas |
| Chronic aquatic toxicant | Category 1 |

Label elements

Emergency Overview

Danger**Hazard statements**

H222: Extremely flammable aerosol.
 H229: Pressurized container: May burst if heated
 H304: May be fatal if swallowed and enters airways
 H316: Causes mild skin irritation
 H336: May cause drowsiness or dizziness
 H361d: Suspected of damaging fertility or the unborn child
 H373: May cause damage to organs through prolonged or repeated exposure
 H411: Toxic to aquatic life with long lasting effects



Vapors may travel considerable distances to ignition sources and flash back. Hazardous gases can be produced requiring respirator. Heating above 500°F (260°C) may cause formation of potentially toxic substances.

Appearance White translucent

Physical state Liquid

Odor Alcohol

Precautionary Statements - Prevention

P201: Obtain special instructions before use
 P202: Do not handle until all safety precautions have been read and understood
 P210: Keep away from heat/sparks/open flames/hot surfaces — No smoking
 P211: Do not spray on an open flame or other ignition source
 P251: Pressurized container: Do not pierce or burn, even after use
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264: Wash skin thoroughly after handling
 P270: Do not eat, drink or smoke when using this product
 P271: Use only outdoors or in a well-ventilated area
 P280: Wear protective gloves and eye / face protection

Precautionary Statements - Response

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing
 P312: Call a POISON CENTER or doctor/ physician if you feel unwell
 P332 + P313: If skin irritation occurs: Get medical advice/ attention
 P337 + P313: If eye irritation persists: Get medical advice/attention

Precautionary Statements - Storage

P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
 P405: Store locked up

Precautionary Statements - Disposal

P501: Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None

Other Information

Prolonged exposure may cause chronic effects. May be irritating to eyes, respiratory system and skin. Prolonged skin contact may defat skin and produce dermatitis. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Aspiration into lungs can produce severe lung damage. Do not smoke. Do not contaminate tobacco products. The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans,

especially when smoking contaminated tobacco. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal Do not puncture or burn aerosol can, even after use When operating continuously for long periods, the aerosol container can become very cold. Care should be taken to avoid skin burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

Synonyms

Mixture.

Chemical nature

Fluoropolymer dispersion, Aerosol

Component Information:

| Chemical Name | CAS No. | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------|----------|-----------|---|
| Heptane (n-) | 142-82-5 | 20.0-25.0 | Skin Irrit. 2; (H315) STOT SE 3; (H336) Asp. Tox. 1; (H304) Aquatic Acute 1; (H400) Aquatic Chronic 1; (H410) Flam. Liq. 2; (H225) |
| Toluene | 108-88-3 | 15.0-20.0 | Skin Irrit. 2 (H315) Repr. 2 (H361d) STOT SE 3 (H336) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225) |
| Isobutane | 75-28-5 | 10.0-15.0 | Flam. Gas 1; (H220) Press. Gas; (H280) |
| Propane | 74-98-6 | 10.0-15.0 | Flam. Gas 1; (H220) Press. Gas; (H280) |
| Ethanol | 64-17-5 | 5.0-10.0 | Flam. Liq. 2 (H225) |
| Propan-2-ol | 67-63-0 | 1.0-6.0 | Eye Irrit. 2, (H319) STOT SE 3, (H336) Flam. Liq. 2, (H225) [Asp. Tox. 2, (H305)] |

The exact percentage (concentration) of composition has been withheld as a trade secret.

For the full text of the Classifications and Hazard Statements mentioned in this Section, see Section 16

Amounts listed are typical and do not represent a specification. Remaining components are proprietary, nonhazardous, and/or present at amounts below reportable limits.

4. FIRST AID MEASURES

Description of first aid measures

General advice

Use first aid treatment according to the nature of the injury. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt, seek medical advice.

| | |
|---|--|
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash skin with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse. |
| Inhalation | Remove from exposure, lie down. Artificial respiration and/or oxygen may be necessary. If symptoms persist, call a physician. |
| Ingestion | Never give anything by mouth to an unconscious person. Clean mouth with water. Do NOT induce vomiting without medical advice. Potential for aspiration if swallowed. Call a physician. |
| Self-protection of the first aider | First aider: Pay attention to self-protection. Remove all sources of ignition. Use personal protection recommended in Section 8. |

Most important symptoms and effects, both acute and delayed

Symptoms Drowsiness. Dizziness.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray (fog). Carbon dioxide (CO₂). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

May be ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Flash back possible over considerable distance. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products

Carbon oxides. Fluorinated compounds.

Explosion data**Sensitivity to Mechanical Impact
Sensitivity to Static Discharge**

None.

May be ignited by heat, sparks or flames. All equipment used when handling must be grounded. Use spark-resistant tools.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal precautions**

Use personal protection recommended in Section 8. Evacuate personnel to safe areas. Remove all sources of ignition. Take precautionary measures against static discharges. Extremely slippery when spilled.

Environmental precautions**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers,

basements or confined areas.

Methods and material for containment and cleaning up

| | |
|--------------------------------|--|
| Methods for containment | Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal. |
| Methods for cleaning up | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. |

7. HANDLING AND STORAGE

Precautions for safe handling

| | |
|--------------------------------|--|
| Advice on safe handling | Contents under pressure. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. Do not smoke. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Use personal protection recommended in Section 8. |
|--------------------------------|--|

Conditions for safe storage, including any incompatibilities

| | |
|-------------------------------|--|
| Storage Conditions | Protect from sunlight. Store at temperatures not exceeding 50 °C/ 122 °F. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). |
| Incompatible materials | Strong oxidizing agents. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Components with Workplace Control Parameters:

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------|-------------------------------|---|---|
| Heptane (n-) 142-82-5 | STEL: 500 ppm TWA: 400 ppm | TWA: 500 ppm TWA: 2000 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1600 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 2000 mg/m ³ | IDLH: 750 ppm Ceiling: 440 ppm 15 min Ceiling: 1800 mg/m ³ 15 min TWA: 85 ppm TWA: 350 mg/m ³ |
| Toluene 108-88-3 | TWA: 20 ppm | TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m ³ Ceiling: 300 ppm | IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ |
| Isobutane 75-28-5 | STEL: 1000 ppm | - | TWA: 800 ppm TWA: 1900 mg/m ³ |
| Propane 74-98-6 | TWA: 1000 ppm | TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³ | IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³ |
| Ethanol 64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³ | IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³ |
| Propan-2-ol 67-63-0 | STEL: 400 ppm TWA: 200 ppm | TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³ | IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³ |

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. As a general rule, at least 10 air changes per hour are recommended at the workplace.
Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.
Showers.
Eyewash stations.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles).
Skin and body protection Avoid skin contact. Wear protective gloves and protective clothing.
Respiratory protection Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling. Do not smoke while using nor contaminate tobacco products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid
Appearance White translucent
Color white
Odor Alcohol
Odor threshold No data available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------|-----------------------------|-------------------------|
| pH | No data available | |
| Melting point/freezing point | No data available | |
| Boiling point / boiling range | 77 - 110 °C / 172 - 230 °F | |
| Flash point | -4 °C / 24 °F | Tag Closed Cup |
| Evaporation rate | < 2.8 | (Butyl Acetate = 1) |
| Flammability (solid, gas) | No data available | |
| Flammability Limit in Air | | |
| Upper flammability limit: | 11.6 | (Vol % @ 100°F (38°C)) |
| Lower flammability limit: | 1.9 | (Vol % @ 100°F (38°C)) |
| Vapor pressure | 6.1 | @ 20 °C (kPa) |
| Vapor density | 3.5 | (Air = 1) |
| Specific Gravity | 0.79 | g/ml @ 20°C |
| Water solubility | < 10% | |
| Solubility in other solvents | No data available | |
| Partition coefficient | No data available | |
| Autoignition temperature | No data available | |
| Decomposition temperature | 325 - 400 °C / 600 - 750 °F | |
| Kinematic viscosity | No data available | |
| Dynamic viscosity | No data available | |
| Explosive properties | Not applicable | |
| Oxidizing properties | No data available | |

Other Information

| | | |
|------------------|-------------------|-----------|
| Softening point | No data available | |
| Molecular weight | No data available | |
| VOC Content (%) | <= 98.0 | Wt % |
| Density | 6.59 | lbs./gal. |
| Bulk density | No data available | |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity | Stable |
| Chemical stability | |
| Stability | Stable |
| Hazardous polymerization | Hazardous polymerization does not occur. |
| Conditions to avoid | Heat, flames and sparks. Take precautionary measures against static discharges. Decomposition temperature: 325-400°C / 600-750°F. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous Decomposition Products | Carbon oxides. Fluorinated compounds. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | The product itself has not been tested |
| Inhalation | Inhalation of vapors in high concentration may cause irritation of respiratory system. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Do not smoke. Do not contaminate tobacco products. The thermal decomposition vapours of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco. |
| Eye contact | May cause irritation. |
| Skin contact | May cause irritation. |
| Ingestion | Not an expected route of exposure. May be harmful if swallowed. Potential for aspiration if swallowed. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------|-----------------------|--------------------------|---|
| Heptane (n-) 142-82-5 | > 5000 mg/kg (Rat) | = 3000 mg/kg (Rabbit) | = 103 g/m ³ (Rat) 4 h |
| Toluene 108-88-3 | = 636 mg/kg (Rat) | = 14100 uL/kg (Rabbit) | = 49 gm/m ³ (Rat) 4 h > 26700 ppm (Rat) 1 h |
| Isobutane 75-28-5 | - | - | = 658 mg/L (Rat) 4 h |
| Propane 74-98-6 | - | - | = 658 mg/L (Rat) 4 h |
| Ethanol 64-17-5 | = 15010 mg/kg (Rat) | = 20000 mg/kg (Rabbit) | = 124.7 mg/L (Rat) 4 h |
| Propan-2-ol 67-63-0 | = 4396 mg/kg (Rat) | = 12800 mg/kg (Rabbit) | = 16000 ppm (Rat) 8 h |

Information on toxicological effects

| | |
|-----------------|--|
| Symptoms | Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. |
|-----------------|--|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|----------------------|---------------------------|
| Sensitization | No information available. |
|----------------------|---------------------------|

Germ cell mutagenicity No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|------------------------|-------|--------------------|-------|------|
| Toluene 108-88-3 | - | Group 3 | - | - |
| Ethanol 64-17-5 | A3 | Group 1 | Known | X |
| Propan-2-ol 67-63-0 | - | Group 1 Group 3 | - | X |

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard Risk of serious damage to the lungs by aspiration.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

| | |
|--------------------------------------|--------------|
| ATEmix (oral) | 3785 mg/kg |
| ATEmix (dermal) | > 5000 mg/kg |
| ATEmix (inhalation-gas) | > 20000 ppm |
| ATEmix (inhalation-dust/mist) | > 5 mg/l |
| ATEmix (inhalation-vapor) | > 20 mg/l |

12. ECOLOGICAL INFORMATION

Marine pollutant Yes.

Ecotoxicity The environmental impact of this product has not been fully investigated

Component Information:

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|--------------------------|--|--|---|
| Heptane (n-) 142-82-5 | 4,338: 72 h Pseudokirchneriella subcapitata mg/L EL50 | 375.0: 96 h Cichlid fish mg/L LC50 | 10: 24 h Daphnia magna mg/L EC50 |
| Toluene 108-88-3 | 433: 96 h Pseudokirchneriella subcapitata mg/L EC50 12.5: 72 h Pseudokirchneriella subcapitata mg/L EC50 static | 15.22 - 19.05: 96 h Pimephales promelas mg/L LC50 flow-through 12.6: 96 h Pimephales promelas mg/L LC50 static 5.89 - 7.81: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 14.1 - 17.16: 96 h Oncorhynchus mykiss mg/L LC50 static 5.8: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 11.0 - 15.0: 96 h Lepomis macrochirus mg/L LC50 static 54: 96 h Oryzias latipes mg/L LC50 static 28.2: 96 h Poecilia reticulata mg/L LC50 semi-static 50.87 - 70.34: 96 h Poecilia reticulata mg/L LC50 static | 5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50 |
| Ethanol 64-17-5 | 1000: 96 h Chlorella vulgaris mg/L EC50 | 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through | 9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static |
| Propan-2-ol | 1000: 96 h Desmodesmus | 9640: 96 h Pimephales promelas | 13299: 48 h Daphnia magna mg/L |

| | | | |
|---------|--|--|------|
| 67-63-0 | subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50 | mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50 | EC50 |
|---------|--|--|------|

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Component Information:

| Chemical Name | Partition coefficient |
|--------------------------|-----------------------|
| Heptane (n-) 142-82-5 | 4.66 |
| Toluene 108-88-3 | 2.65 |
| Isobutane 75-28-5 | 2.88 |
| Propane 74-98-6 | 2.3 |
| Ethanol 64-17-5 | -0.32 |
| Propan-2-ol 67-63-0 | 0.05 |

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Pressurized container: Do not pierce or burn, even after use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Component Information:

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---------------------|------|--|------------------------|------------------------|
| Toluene 108-88-3 | U220 | Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151 | - | U220 |

| Chemical Name | RCRA - Halogenated Organic Compounds | RCRA - P Series Wastes | RCRA - F Series Wastes | RCRA - K Series Wastes |
|---------------------|--------------------------------------|------------------------|--|------------------------|
| Toluene 108-88-3 | - | - | Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those | - |

| | | | | |
|--|--|--|--|--|
| | | | having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. | |
|--|--|--|--|--|

| Chemical Name | California Hazardous Waste Status |
|--------------------------|-----------------------------------|
| Heptane (n-) 142-82-5 | Toxic Ignitable |
| Toluene 108-88-3 | Toxic Ignitable |
| Ethanol 64-17-5 | Toxic Ignitable |
| Propan-2-ol 67-63-0 | Toxic Ignitable |

14. TRANSPORT INFORMATION

DOT

Proper shipping name Consumer Commodity
Hazard Class LIMITED QUANTITY

ICAO (air)

Proper shipping name Consumer Commodity, 9, ID8000

IATA

Proper shipping name Consumer Commodity, 9, ID8000

IMDG

Proper shipping name Aerosols, 2.1 UN1950, Limited Quantity
Marine pollutant Yes

15. REGULATORY INFORMATION

International Inventories

| | |
|----------------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | SARA 313 - Threshold Values % |
|--------------------|-------------------------------|
| Toluene - 108-88-3 | 1.0% |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Toluene 108-88-3 | 1000 lb | X | X | X |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------|--------------------------|----------------|---|
| Toluene 108-88-3 | 1000 lb | - | RQ 1000 lb final RQ RQ 454 kg final RQ |

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

(Note: Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage)

| Chemical Name | California Proposition 65 |
|--------------------|--------------------------------------|
| Toluene - 108-88-3 | Developmental Female Reproductive |
| Ethanol - 64-17-5 | Carcinogen Developmental |

U.S. State Right-to-Know Regulations

This product contains substances regulated by state right-to-know regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|--------------------------|------------|---------------|--------------|
| Heptane (n-) 142-82-5 | X | X | X |
| Toluene 108-88-3 | X | X | X |
| Isobutane 75-28-5 | X | X | X |
| Propane 74-98-6 | X | X | X |
| Ethanol 64-17-5 | X | X | X |
| Propan-2-ol 67-63-0 | X | X | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

| |
|--|
| 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION |
|--|

| | | | | |
|--------------------|-------------------------|-----------------------|---------------------------|---|
| <u>NFPA</u> | Health hazards 2 | Flammability 3 | Instability 0 | Physical and Chemical Properties - |
| <u>HMIS</u> | Health hazards 2 | Flammability 3 | Physical hazards 0 | Personal protection X |

Key to Classifications and Hazard Statements contained in Sections 2 and 3

Flam. Liq. 2 (H225): Highly flammable liquid and vapor; Flammable Liquid, Cat 2
 Asp. Tox. 1 (H304): May be fatal if swallowed and enters airways; Aspiration, Cat 1
 Skin Irrit. 2 (H315): Causes skin irritation; Skin Corr/Irritation, Cat 2
 Eye Irrit. 2 (H319): Causes serious eye irritation; Eye Dam Irrit., Cat 2
 STOT SE 3 (H335): May cause respiratory irritation, Target Organ Single (Respiratory Irritation), Cat 3
 STOT SE 3 (H336): May cause drowsiness or dizziness; Target Organ Single, Narcotic, Cat 3
 Repr. 2 (H361d): Suspected of damaging the unborn child; Reproductive Toxicity, Cat 2
 STOT RE 2 (H373): May cause damage to organs through prolonged or repeated exposure; Target Organ Repeat, Cat 2
 Aquatic Acute 1 (H400): Very toxic to aquatic life; Acute Env. Tox., Cat 1
 Aquatic Chronic 1 (H410): Very toxic to aquatic life with long lasting effects; Chronic Env. Tox., Cat 1
 [Asp. Tox. 2 (H305)]: May be harmful if swallowed and enters airways; Aspiration, Cat 2

Issue Date 1997 09 01

Revision Date 2015 08 18

Revision Note

1997 09 01: Initial release.
 1998 08 01: Modified to update component information.
 2006 05 10: Modified to conform to 16 part format of ANSI Standard Z400.1-2004.
 2007 04 05: Modified to correct environmental and ecological hazards identifications.
 2008 02 04: Modified to reflect new transportation information.
 2010 08 05: Modified to correct information on ingredients and exposure controls.
 2013 03 15: Modified to update expiring issue date.
 2013 09 10: Modified to update transportation information.
 2015 08 18: Modified to conform to 29 CFR 1910 (OSHA HCS).

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. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

End of Safety Data Sheet