



SAFETY DATA SHEET

Issue Date 02-01-2018

Revision Date 02-01-2018

Version 4

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name: MASS AIR-FLOW SENSOR CLEANER

Other means of identification

Common Name: 1095
UN/ID No UN1950
Synonyms None
Product Categories Aerosol, Sensor Cleaner, Organic solvents

Recommended use of the chemical and restrictions on use

Sale and Use Restrictions Not applicable
Recommended Use Restricted to professional users.
Uses advised against Consumer use

Details of the supplier of the safety data sheet

Supplier Address
MOC PRODUCTS CO., INC.
12306 Montague Street
Pacoima, CA 91331

Emergency telephone number

Company Phone Number MOC PRODUCTS CO., INC. (818) 794-3500
Emergency Telephone CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification


| | |
|--|------------|
| Acute toxicity - Oral | Category 4 |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye 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 |

Label elements

Emergency Overview

Danger

Hazard statements
 Harmful if swallowed
 Causes skin irritation
 Causes severe eye irritation
 Suspected of damaging fertility or the unborn child
 May cause drowsiness or dizziness
 May cause damage to organs through prolonged or repeated exposure
 May be fatal if swallowed and enters airways
 Extremely flammable aerosol
 Pressurized container: May burst if heated



Appearance Organic solvents,
Compressed gas

Physical state Aerosol

Odor Solvent

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Wear eye/face protection
 Do not breathe dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 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

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 Specific treatment (see response statements below and Section 4 of the Safety Data Sheet)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash before reuse
 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
 IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician
 Do not induce vomiting
 Rinse mouth

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
 Store in a dry place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

- May be harmful in contact with skin
 - Toxic to aquatic life with long lasting effects
 - Toxic to aquatic life
- 43.05 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS Number | Weight % | Trade Secret |
|--------------------------------------|-------------|----------|--------------|
| Isopropyl Alcohol | 67-63-0 | 30-50 | * |
| Heptane, branched, cyclic and linear | 426260-76-6 | 30-40 | * |
| Acetone | 67-64-1 | 10-30 | * |
| Heptane | 142-82-5 | 10-20 | * |
| Carbon Dioxide | 124-38-9 | 5-10 | * |
| Toluene | 108-88-3 | 1-3 | * |

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

4. FIRST AID MEASURES

First aid measures

| | |
|---------------------------|---|
| General advice | If exposed or concerned: Get medical advice/attention. |
| Skin contact | Wash off immediately with soap and plenty of water. Call a physician if irritation develops and persists. Take off contaminated clothing and wash it before reuse. |
| Inhalation | IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. |
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Ingestion | If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Call a physician or Poison Control Center immediately. |
| Notes to Physician | This product contains Heptanes: Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours. Exposure to high concentrations of similar materials has been associated with cardiac arrhythmias and cardiac arrest. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|---|
| Symptoms | Coughing and/ or wheezing; Drowsiness, Dizziness, Nausea, Vomiting, Skin irritation, Eye irritation, Shortness of breath. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|---|---|
| Self-protection of the first aider | Avoid breathing vapors or mists. Avoid contact with skin. |
|---|---|

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use dry chemical, CO₂, water spray (fog) or alcohol resistant foam; Sand.

| | |
|------------------------------|--|
| Small Fire | Dry chemical or CO ₂ . |
| Large Fire | Alcohol resistant foam, Water spray or fog; Sand. |
| Explosive properties: | Pressurized container: May burst if heated. Risk of explosion if heated under confinement. Explosive when mixed with oxidizing substances. Vapors may form explosive mixture with air. |

Specific hazards arising from the chemical

Extremely flammable aerosol. Contents under pressure. Sealed containers may rupture when heated. Keep product and empty container away from heat and sources of ignition. Will be easily ignited by heat, sparks or flames. Vapors may cause flash fire or explosion. Vapors may form explosive mixtures with air. Flash back possible over considerable distance. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products Carbon monoxide, Carbon dioxide (CO₂), Toxic gases and fumes.

Specific methods:

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

Special firefighting procedures:

Extremely flammable aerosol. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not use a solid water stream as it may scatter and spread fire. Use water spray to keep

fire-exposed containers cool.

| Component | ACGIH - test |
|--|---------------------|
| Isopropyl Alcohol 67-63-0 (30-50) | 40 |
| Acetone 67-64-1 (10-30) | 25 |
| Toluene 108-88-3 (1-3) | 0.02 0.03 0.3 |

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal precautions:** Remove all sources of ignition. Pay attention to flashback. Use spark-proof tools and explosion-proof equipment. Use personal protective equipment. See Section 8 for information on appropriate personal protective equipment. Avoid contact with skin, eyes and clothing.
- For emergency responders** Use personal protection recommended in Section 8. Ventilate the area. Remove all sources of ignition. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction. Pay attention to flashback.

Environmental precautions

- Environmental precautions:** Environmental hazard: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Water runoff can cause environmental damage. Avoid subsoil penetration. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

- Methods for Containment** Remove all sources of ignition. Ventilate the area. Prevent further leakage or spillage if safe to do so. Use non-sparking tools. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.
- Methods for clean-up:** Pressurized container: Do not pierce or burn, even after use. Clean-up methods - small spillage: Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to state, local, federal regulations. Large spills present a vapor explosion and liquid fire hazard; evacuate area and ensure response by personnel trained and equipped to respond to flammable material incident or off-site emergency responders or fire department.
- Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

- Handling:** Contents under pressure. Protect from physical damage. Do not store at temperatures above 122°F (50°C). Protect from direct sunlight. Keep away from heat, sparks and flame. Store in a cool, well ventilated area. Keep away from any incompatible materials (See Section 10). Pressurized container: Do not pierce or burn, even after use.

Conditions for safe storage, including any incompatibilities

- Technical measures/precautions:** Mechanical ventilation required if used indoors on a continuous basis. Eye wash and safety shower should be easily accessible.
- Materials to avoid:** Acids, Bases, Oxidizing agents, Oxygen, Peroxides, Reducing agents, Phosphorus

oxychloride, Chlorine, Perchlorates.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA Exposure Limits: | NIOSH IDLH |
|---|--|--|---|
| Isopropyl Alcohol 67-63-0 | STEL: 400 ppm TWA: 200 ppm | TWA: 400 ppm TWA: 980 mg/m ³ | IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³ |
| Heptane, branched, cyclic and linear 426260-76-6 | STEL: 500 ppm TWA: 400 ppm (as n-Heptane) | TWA: 500 ppm (as n-Heptane) | - |
| Acetone 67-64-1 | STEL: 500 ppm TWA: 250 ppm | TWA: 1000 ppm TWA: 2400 mg/m ³ TWA: 750 ppm TWA: 1800 mg/m ³ | IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³ |
| Heptane 142-82-5 | STEL: 500 ppm TWA: 400 ppm | TWA: 500 ppm TWA: 2000 mg/m ³ TWA: 400 ppm TWA: 1600 mg/m ³ | IDLH: 750 ppm TWA: 85 ppm TWA: 350 mg/m ³ Ceiling: 440 ppm 15 min Ceiling: 1800 mg/m ³ 15 min |
| Carbon Dioxide 124-38-9 | STEL: 30000 ppm TWA: 5000 ppm | TWA: 5000 ppm TWA: 9000 mg/m ³ TWA: 10000 ppm TWA: 18000 mg/m ³ | IDLH: 40000 ppm TWA: 5000 ppm TWA: 9000 mg/m ³ STEL: 30000 ppm STEL: 54000 mg/m ³ |
| Toluene 108-88-3 | TWA: 20 ppm | TWA: 200 ppm TWA: 100 ppm TWA: 375 mg/m ³ | IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ |

Appropriate engineering controls

Engineering measures: Mechanical ventilation required if used indoors on a continuous basis. Eye wash and safety shower should be easily accessible.

Individual protection measures, such as personal protective equipment

- Eye/face protection** Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear: Face protection shield.
- Skin and body protection** Wear normal work clothing. Solvent-resistant gloves. Additional body garments should be used based on task being performed: Chemical resistant suit, and boots; Face-shield. (consult with the specific manufacturer to confirm performance).
- Respiratory protection** Ensure adequate ventilation. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Avoid contact during pregnancy/while nursing. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use personal protective equipment. Wear suitable gloves and eye/face protection. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | | | |
|-----------------------|----------------------------------|-----------------------|--------------------------|
| Physical state | Aerosol | Odor | Solvent |
| Appearance | Organic solvents, Compressed gas | Odor threshold | No information available |
| Color | Colorless to pale yellow | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------------|---|------------------------------------|
| pH | N/A | Not applicable |
| Melting point/freezing point | No information available | |
| Boiling point / boiling range | 56 °C / 133 °F | (Based on lowest liquid component) |
| Flash point | -18 °C / -0.4 °F | (Based on lowest liquid component) |
| Evaporation rate | Slower than ether | Slower than ether |
| Flammability (solid, gas) | No information available | |
| Flammability Limits in Air | | |
| Upper flammability limit | No Data Available | |
| Lower flammability limit | No Data Available | |
| Vapor pressure | 586-655 | Ambient temperature (kPa) |
| Vapor density | Heavier than air | |
| Specific Gravity | 0.75 | |
| Water solubility | Slightly soluble | |
| Solubility in other solvents | Acetone, Alcohols, Heptane, Methanol, Toluene, Xylene | |
| Partition coefficient | No Data Available | |
| Autoignition temperature | No Data Available | |
| Decomposition temperature | No Data Available | |
| Kinematic viscosity | No information available | |
| Dynamic viscosity | No Data Available | |
| Explosive properties | No Data Available | |
| Oxidizing properties | No Data Available | |

Other information

| | |
|-------------------------|---------------------------------|
| Softening point | No Data Available |
| Molecular weight | No Data Available |
| VOC Content (%) | |
| VOC Content (%) | 73.6 |
| | Acetone is a VOC exempt solvent |
| Density | 0.75 g/cc |
| Bulk density | No Data Available |

10. STABILITY AND REACTIVITY**Reactivity**

Reactivity Stable under normal conditions.

Chemical stability

Stability Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

Possibility of Hazardous Reactions Reacts with oxidizing agents. Vapors may form explosive mixture with air. The material may react violently with: Phosphorus oxychloride.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Temperatures above 120 °C. Heat, flames and sparks. Keep away from direct sunlight.

Incompatible materials

Materials to avoid: Acids, Bases, Oxidizing agents, Oxygen, Peroxides, Reducing agents, Phosphorus oxychloride, Chlorine, Perchlorates.

Hazardous Decomposition Products

Hazardous Decomposition Products Carbon monoxide, Carbon dioxide (CO₂), Toxic gases and fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|---|
| Product Information | Harmful if swallowed Causes skin irritation. Causes severe eye irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness May cause damage to organs through prolonged or repeated exposure May be fatal if swallowed and enters airways. |
| Inhalation | May cause irritation of respiratory tract. May cause drowsiness or dizziness. Avoid breathing vapors or mists. Propellant is a simple asphyxiant. |
| Eye contact | Causes severe eye irritation. Avoid contact with eyes. |
| Skin Contact | Causes skin irritation. Avoid contact with skin and clothing. Wash thoroughly after handling. |
| Ingestion | Potential for aspiration if swallowed. May be fatal if swallowed and enters airways. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|--------------------------------------|--|--|
| Isopropyl Alcohol 67-63-0 | = 1870 mg/kg (Rat) | = 4059 mg/kg (Rabbit) | = 72600 mg/m ³ (Rat) 4 h |
| Heptane, branched, cyclic and linear 426260-76-6 | > 5000 mg/kg (Rat), similar material | >2000 mg/kg (Rabbit), similar material | 65-103 g/m ³ (Rat) 4 h, similar material |
| Acetone 67-64-1 | =5800 mg/kg (Rat) | =7426 mg/kg (Guinea pig) | = 50100 mg/m ³ (Rat) 8 h |
| Heptane 142-82-5 | > 5000 mg/kg (Rat) - Read across | = 3000 mg/kg (Rabbit) | = 103 g/m ³ (Rat) 4 h; 25000 ppm (Rat) 4h |
| Carbon Dioxide 124-38-9 | - | - | - |
| Toluene 108-88-3 | = 636 mg/kg (Rat) | = 12000 mg/kg (Rabbit) | = 12.5 mg/L (Rat) 4 h |

Information on toxicological effects

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

Sensitization Skin Sensitization: Not expected. Respiratory Sensitization: Not classified.
Mutagenic effects: Toluene (CAS#108-88-3), Rat: Liver, DNA Damage.
Carcinogenicity Category 3: Not Classifiable.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|------------------------------|-------|--------------------------|-----|------|
| Isopropyl Alcohol 67-63-0 | | Group 3 | | |
| Toluene 108-88-3 | | Group 3 (not classified) | | |

Reproductive toxicity Product is or contains a chemical or chemicals which is/are (a) known or suspected reproductive hazard(s), Toluene (CAS#108-88-3): May cause harm to the unborn child. May cause harm to breastfed babies. Isopropyl alcohol has shown fetotoxicity in laboratory animals at doses which are maternally toxic.

Teratogenicity Suspected human reproductive toxicant. Developmental Toxicity: Rat (oral).
STOT - single exposure Category 3: May cause respiratory irritation. May cause drowsiness or dizziness.
STOT - repeated exposure Category 2. May cause damage to organs through prolonged or repeated exposure: Bladder, Liver, Kidney, Brain.

Target Organ Effects Eyes, Ears, Liver, Kidney, Heart, Brain, Central nervous system, Reproductive System.
Neurological effects Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Repeated or prolonged overexposure to solvents may cause permanent damage to the nervous system. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Other adverse effects Inhalation studies on toluene have demonstrated the development of inflammatory and ulcerous lesions of the penis, prepuce, and scrotum in animals. Auditory system: prolonged and repeated exposure to high concentrations have resulted in hearing losses in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. Isopropyl alcohol has shown fetotoxicity in laboratory animals at doses which are maternally toxic.

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 43.05 % of the mixture consists of ingredient(s) of unknown toxicity

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

| | |
|----------------------------------|------------|
| ATEmix (oral) | 1754 mg/kg |
| ATEmix (dermal) | 3171 mg/kg |
| ATEmix (inhalation-vapor) | 204 mg/l |

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity: Toxic to aquatic life. Chronic Aquatic Toxicity: Toxic to aquatic life with long lasting effects.

43.05 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|------------------------------|--|---|----------------------------|--|
| Isopropyl Alcohol 67-63-0 | 1000: 96 h Desmodemus subspicatus mg/L EC50 1000: 72 h Desmodemus subspicatus mg/L EC50 | 9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50 | | 13299: 48 h Daphnia magna mg/L EC50 |
| Acetone 67-64-1 | | 4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50 | | 10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50 |
| Heptane 142-82-5 | | 375.0: 96 h Cichlid fish mg/L LC50 | | |
| 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 |

Persistence and degradability

No information available.

Bioaccumulation

Bioaccumulative potential.

Mobility

If product enters soil, it will be mobile and may contaminate groundwater.

| Chemical Name | Partition coefficient |
|------------------------------|-------------------------------------|
| Isopropyl Alcohol 67-63-0 | 0.05 |
| Acetone 67-64-1 | -0.24 |
| Heptane 142-82-5 | 4.66 (Experimental); 4.5 Literature |

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Pressurized container: Do not pierce or burn, even after use. Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

Limited quantity (LQ)

< 1 Liter

DOT

UN/ID No UN1950
Proper Shipping Name: Aerosol, Flammable
Hazard Class 2.1
Packing Group: N/A
Emergency Response Guide Number 126

IATA

UN/ID No UN1950
Proper Shipping Name: Aerosol, Flammable
Hazard Class 2.1
Packing Group: N/A

IMDG

UN/ID No UN1950
Proper Shipping Name: Aerosols
Hazard Class 2
Packing Group: N/A

15. REGULATORY INFORMATION

International Inventories

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

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 | CAS Number | Weight % | SARA 313 - Threshold Values % |
|---------------------|------------|----------|--------------------------------|
| Toluene 108-88-3 | 108-88-3 | 1-3 | 1.0 % de minimis concentration |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire hazard | Yes |
| Sudden release of pressure hazard | Yes |
| 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) |
|---------------------|--------------------------|----------------|--|
| Acetone 67-64-1 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |
| Toluene 108-88-3 | 1000 lb 1 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ |

State Regulations (RTK)

California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm:

| Chemical Name | CAS Number | California Proposition 65 |
|---------------|------------|--|
| Toluene | 108-88-3 | Developmental |
| Benzene | 71-43-2 | Carcinogen Developmental Male Reproductive |
| Cumene | 98-82-8 | Carcinogen |
| Ethylbenzene | 100-41-4 | Carcinogen |

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA Rating

Health hazards 2

Flammability -

Instability 0

Physical and Chemical Properties NFPA Level 3 aerosol

HMIS Rating

Health hazards 2*

Flammability 4

Physical hazards 1

Personal protection B, Flammability classification is under HMIS III

Chronic Hazard Star Legend

* = *Chronic Health Hazard*

Prepared by

Environmental Health and Safety Department

Issue Date

02-01-2018

Revision Date

02-01-2018

Revision Note

This data sheet contains changes from the previous version in section(s): 1, 15.

Disclaimer

The information provided in this Material 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.

End of Safety Data Sheet