SAFETY DATA SHEET

Acetone

Section 1. Identification

| GHS product identifier | : Acetone |
|----------------------------------|---|
| Chemical name | : acetone |
| Other means of identification | : propan-2-one; propanone; 2-Propanone; dimethyl ketone |
| Product use | : Synthetic/Analytical chemistry. |
| Synonym SDS # | propan-2-one; propanone; 2-Propanone; dimethyl ketone 001088 |
| Supplier's details | : Airgas USA, LLC and its affiliates 259 North Radnor-Chester Road Suite 100 Radnor, PA 19087-5283 1-610-687-5253 |
| Emergency telephone | : 1-866-734-3438 |

number (with hours of operation)

Section 2. Hazards identification

| OSHA/HCS status | : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
|--|---|
| Classification of the substance or mixture | : FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 |
| GHS label elements | |
| Hazard pictograms | |
| Signal word | : Danger |
| Hazard statements | Highly flammable liquid and vapor. May form explosive mixtures with air. Causes serious eye irritation. May cause drowsiness and dizziness. |
| Precautionary statements | |
| General | : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. |
| Prevention | : Wear protective gloves. Wear eye or face protection. Keep away from heat, sparks, open flames and hot surfaces No smoking. Use explosion-proof electrical, ventilating lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Avoid breathing vapor. Wash hands thoroughly after handling. |



Section 2. Hazards identification

| Response | : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. 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 attention. |
|----------------------------------|---|
| Storage | : Store locked up. Store in a well-ventilated place. Keep cool. |
| Disposal | : Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Hazards not otherwise classified | : None known. |

Section 3. Composition/information on ingredients

| Substance/mixture | Substance |
|-------------------------------|---|
| Chemical name | acetone |
| Other means of identification | propan-2-one; propanone; 2-Propanone; dimethyl ketone |

CAS number/other identifiers

| CAS number | : 67-64-1 | | |
|-----------------|-----------|-----|------------|
| Product code | : 001088 | | |
| Ingredient name | | % | CAS number |
| acetone | | 100 | 67-64-1 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

| Description of necessary f | irst a | <u>d measures</u> | | | | | |
|--------------------------------|--------|---|--|--|--|--|------------------------------------|
| Eye contact | : | | n eyes with plenty of or and remove any o edical attention. | | | | |
| Inhalation | : | is suspected that or self-contained respiratory arrest may be dangerou Get medical atter place in recovery | o fresh air and keep fumes are still pres breathing apparatus occurs, provide arti- us to the person pro- ntion. If necessary, position and get me ight clothing such as | ent, the rescuer sho s. If not breathing, i ficial respiration or o viding aid to give mo call a poison center edical attention imm | ould wear an ap f breathing is in oxygen by train outh-to-mouth r or physician. I ediately. Maint | propriate n regular or it ed personn esuscitatio f unconscio | nask f iel. It n. ous, |
| Skin contact | : | | ted skin with plenty of ical attention if symposition before reuse. | | | | |
| Ingestion | : | keep at rest in a the exposed person unless directed to kept low so that call a poison cen | with water. Remove position comfortable son is conscious, give feels sick as vomiting to do so by medical per yomit does not enter ter or physician. Ne scious, place in reco | e for breathing. If ma re small quantities o g may be dangerou personnel. If vomitir the lungs. Get me ver give anything by | aterial has been f water to drink s. Do not inducing occurs, the h dical attention. y mouth to an u | n swallowe . Stop if th ce vomiting lead should If necessa nconscious | d and e J d be ry, |
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Section 4. First aid measures

immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

| wost important symptoms/ | acts, acute and delayed |
|-----------------------------|--|
| Potential acute health effe | |
| Eye contact | : Causes serious eye irritation. |
| Inhalation | : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. |
| Skin contact | : No known significant effects or critical hazards. |
| Frostbite | : Try to warm up the frozen tissues and seek medical attention. |
| Ingestion | : Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach. |
| Over-exposure signs/sym | <u>ms</u> |
| Eye contact | Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness |
| Skin contact | : No specific data. |
| Ingestion | No specific data. |
| Indication of immediate me | al attention and special treatment needed, if necessary |
| Notes to physician | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : No specific treatment. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask of self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

| Extinguishing media | |
|--|---|
| Suitable extinguishing media | : Use dry chemical, CO ₂ , water spray (fog) or foam. |
| Unsuitable extinguishing media | : Do not use water jet. |
| Specific hazards arising from the chemical | : Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any |
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Section 5. Fire-fighting measures

| | waterway, sewer or drain. |
|--|--|
| Hazardous thermal decomposition products | : Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| Special protective actions for fire-fighters | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|--------------------------------|---|
| For emergency responders | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non- emergency personnel". |

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and materials for containment and cleaning up

| Small spill | : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
|-------------|--|
| Large spill | : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

Section 7. Handling and storage

| Precautions for safe handli | ing |
|--------------------------------|---|
| Protective measures | : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking |
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Section 7. Handling and storage

| | tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|--|--|
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Conditions for safe storage, including any incompatibilities | : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. |

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Exposure limits |
|--|
| Exposure limits ACGIH TLV (United States, 3/2012). STEL: 1782 mg/m³ 15 minutes. STEL: 750 ppm 15 minutes. TWA: 1188 mg/m³ 8 hours. TWA: 1188 mg/m³ 8 hours. TWA: 500 ppm 8 hours. NIOSH REL (United States, 1/2013). TWA: 590 mg/m³ 10 hours. TWA: 250 ppm 10 hours. TWA: 250 ppm 10 hours. TWA: 250 ppm 10 hours. TWA: 2400 mg/m³ 8 hours. TWA: 1000 ppm 8 hours. TWA: 1000 ppm 8 hours. STEL: 2400 mg/m³ 15 minutes. STEL: 2400 mg/m³ 8 hours. TWA: 1800 mg/m³ 8 hours. TWA: 1800 mg/m³ 8 hours. TWA: 750 ppm 8 hours. |
| |

| Appropriate engineering controls | : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation o other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. | |
|-------------------------------------|--|--|
| Environmental exposure controls | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. | |

Individual protection measures

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|--------------------------------|--------------|------------------------|---------------|----------------|------|

Section 8. Exposure controls/personal protection

| Hygiene measures : | Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
|--------------------------|--|
| Eye/face protection : | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. |
| Skin protection | |
| Hand protection : | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. |
| Body protection : | Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. |
| Other skin protection : | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Respiratory protection : | Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |

Section 9. Physical and chemical properties

| Appearance | |
|--|---|
| Physical state | : Liquid. [COLORLESS LIQUID WITH A FRAGRANT, MINT-LIKE ODOR] |
| Color | : Colorless. |
| Molecular weight | : 58.09 g/mole |
| Molecular formula | : C3-H6-O |
| Boiling/condensation point | : 56.05°C (132.9°F) |
| Melting/freezing point | : -94.7°C (-138.5°F) |
| Critical temperature | : 234.85°C (454.7°F) |
| Odor | : Characteristic. |
| Odor threshold | : Not available. |
| рН | : Not available. |
| Flash point | : Closed cup: -20°C (-4°F) |
| Burning time | : Not applicable. |
| Burning rate | : Not applicable. |
| Evaporation rate | : 6.06 (butyl acetate = 1) |
| Flammability (solid, gas) | : Not available. |
| Lower and upper explosive (flammable) limits | : Lower: 2.5% Upper: 13% |
| Vapor pressure | : 24 kPa (180.014626188 mm Hg) [room temperature] |
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Section 9. Physical and chemical properties

| _ | | |
|--|---|----------------|
| Vapor density | 1 | 2 (Air = 1) |
| Specific Volume (ft ³ /lb) | : | 1.2642 |
| Gas Density (lb/ft ³) | : | 0.791 |
| Relative density | : | 0.8 |
| Solubility | : | Not available. |
| Solubility in water | : | Not available. |
| Partition coefficient: n- octanol/water | ; | -0.23 |
| Auto-ignition temperature | | 465°C (869°F) |
| Decomposition temperature | | Not available. |
| SADT | : | Not available. |
| Viscosity | : | Not available. |
| | | |

Section 10. Stability and reactivity

| Reactivity | : | No specific test data related to reactivity available for this product or its ingredients. |
|---|---|--|
| Chemical stability | : | The product is stable. |
| Possibility of hazardous reactions | : | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : | Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas. |
| Incompatibility with various substances | : | Extremely reactive or incompatible with the following materials: oxidizing materials. |
| Hazardous decomposition products | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|------------------------------------|---------|-------------------------|--------------|
| acetone | LC50 Inhalation Vapor LD50 Oral | | 59528 ppm 5800 mg/kg | 1 hours - |

Irritation/Corrosion

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|--------------------------------|--------------|------------------------|---------------|----------------|------|
|--------------------------------|--------------|------------------------|---------------|----------------|------|

Section 11. Toxicological information

| Product film and the film of | D If | 0 | 0 | - | |
|------------------------------|--------------------------|---------|-------|-----------------------------|-------------|
| Product/ingredient name | Result | Species | Score | Exposure | Observation |
| acetone | Eyes - Mild irritant | Human | - | 186300 parts per million | - |
| | Eyes - Mild irritant | Rabbit | - | 10 microliters | - |
| | Eyes - Moderate irritant | Rabbit | - | 24 hours 20 milligrams | - |
| | Eyes - Severe irritant | Rabbit | - | 20 milligrams | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Skin - Mild irritant | Rabbit | - | 395 milligrams | - |

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

| Name | | Route of exposure | Target organs |
|---------|------------|-------------------|------------------|
| acetone | Category 3 | Not applicable. | Narcotic effects |

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely : Not available.

routes of exposure Potential acute health effects

 Eye contact
 : Causes serious eye irritation.

 Inhalation
 : Can cause central nervous system (CNS) depression. May cause drowsiness and

- Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.
- **Skin contact** : No known significant effects or critical hazards.
- Ingestion : Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness | |
|-------------|--|--|
| | | |

Acetone

Section 11. Toxicological information

| Inhalation | : Adverse symptoms may include the following: |
|--------------|---|
| | nausea or vomiting |
| | headache |
| | drowsiness/fatigue |
| | dizziness/vertigo |
| | unconsciousness |
| Skin contact | : No specific data. |
| Ingestion | : No specific data. |

Delayed and immediate effects and also chronic effects from short and long term exposure

| <u>Short term exposure</u> | |
|--------------------------------|------------------|
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| <u>Long term exposure</u> | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Potential chronic health effe | <u>ects</u> |
| Not available. | |

| General | : No known significant effects or critical hazards. |
|-----------------------|---|
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Teratogenicity | : No known significant effects or critical hazards. |
| Developmental effects | : No known significant effects or critical hazards. |
| Fertility effects | : No known significant effects or critical hazards. |
| | |

Numerical measures of toxicity Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|-------------------------------------|--|----------|
| acetone | Acute EC50 20.565 mg/l Marine water | Algae - Ulva pertusa | 96 hours |
| | Acute LC50 6000000 µg/l Fresh water | Crustaceans - Gammarus pulex | 48 hours |
| | Acute LC50 10000 µg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 100 mg/l Fresh water | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| | Chronic NOEC 4.95 mg/l Marine water | Algae - Ulva pertusa | 96 hours |
| | Chronic NOEC 0.1 ml/L Fresh water | Daphnia - Daphnia magna - Neonate | 21 days |

Persistence and degradability

Not available.

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|--------------------------------|--------------|------------------------|---------------|---------|-------|------|
|--------------------------------|--------------|------------------------|---------------|---------|-------|------|

Section 12. Ecological information

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-----|-----------|
| acetone | -0.23 | - | low |

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Toxic hazardous waste "U" List

| Ingredient | CAS # | | Reference number |
|------------------------------|---------|--------|---------------------|
| Acetone (I); 2-Propanone (I) | 67-64-1 | Listed | U002 |

Section 14. Transport information

| | DOT | TDG | Mexico | IMDG | ΙΑΤΑ | | | |
|-------------------------------|---|---------|---------|--------------------------------|---------|--|--|--|
| UN number | UN1090 | UN1090 | UN1090 | UN1090 | UN1090 | | | |
| UN proper shipping name | ACETONE | ACETONE | ACETONE | ACETONE (ACETONE SOLUTIONS) | ACETONE | | | |
| Transport hazard class(es) | 3 | 3 | 3 | 3 | 3 | | | |
| Packing group | 11 | 11 | - | Ш | 11 | | | |
| Environment | No. | No. | No. | No. | No. | | | |
| | | | | | | | | |
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| Acetone | | | | | | | | |
|-----------------------------------|---|--|--|---|--|--|--|--|
| Section 14. Transport information | | | | | | | | |
| Additional information | Reportable quantity 5000 lbs / 2270 kg [758. 12 gal / 2869.8 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements. Limited quantity Yes. Packaging instruction Passenger aircraft Quantity limitation: 5 L Cargo aircraft Quantity limitation: 60 L Special provisions IB2, T4, TP1 | Explosive Limit and - Limited Quantity Index 1 Passenger Carrying Ship Index Forbidden Passenger Carrying Road or Rail Index 5 | | - | Passenger and Cargo Aircraft Quantity limitation: 5 L Cargo Aircraft Only Quantity limitation: 60 L Limited Quantities - Passenger Aircraft Quantity limitation: 1 L | | | |

"Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product."

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of MARPOL 73/78 and the IBC Code

Section 15. Regulatory information

| | - |
|------------|---|
| : | TSCA 8(a) CDR Exempt/Partial exemption: Not determined |
| | United States inventory (TSCA 8b): This material is listed or exempted. |
| : | Not listed |
| : | Listed |
| | |
| <u>n</u> i | ingredients |
| | |
| : | Not applicable. |
| | |
| | |
| | : : : |

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: 10/21/2014.

Section 15. Regulatory information

Classification

: Fire hazard Immediate (acute) health hazard

Composition/information on ingredients

| Name | % | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---------|-----|----------------|----------------------------------|----------|--|--|
| acetone | 100 | Yes. | No. | No. | Yes. | No. |

| State regulations | | |
|---|---|--|
| Massachusetts | : | This material is listed. |
| New York | : | This material is listed. |
| New Jersey | : | This material is listed. |
| Pennsylvania | : | This material is listed. |
| Canada inventory | : | This material is listed or exempted. |
| International regulations | | |
| International lists | : | Australia inventory (AICS): This material is listed or exempted. China inventory (IECSC): This material is listed or exempted. Japan inventory: This material is listed or exempted. Korea inventory: This material is listed or exempted. Malaysia Inventory (EHS Register): Not determined. New Zealand Inventory of Chemicals (NZIoC): This material is listed or exempted. Philippines inventory (PICCS): This material is listed or exempted. Taiwan inventory (CSNN): Not determined. |
| Chemical Weapons Convention List Schedule I Chemicals | : | Not listed |
| Chemical Weapons Convention List Schedule II Chemicals | : | Not listed |
| Chemical Weapons Convention List Schedule III Chemicals | : | Not listed |
| <u>Canada</u> | | |
| WHMIS (Canada) | : | Class B-2: Flammable liquid Class D-2B: Material causing other toxic effects (Toxic). CEPA Toxic substances : This material is listed. Canadian ARET : This material is not listed. Canadian NPRI : This material is listed. Alberta Designated Substances : This material is not listed. Ontario Designated Substances : This material is not listed. Quebec Designated Substances : This material is not listed. |
| | • | |

Section 16. Other information

| Canada Label requirements | | Flammable liquid 3: Material causing other | toxic effects (Toxic). | | | |
|--------------------------------|--------------|---|------------------------|---------|-------|-------|
| Hazardous Material Information | on System (U | <u>.S.A.)</u> | | | | |
| Health | 1 2 | | | | | |
| Flammability | 3 | | | | | |
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Section 16. Other information

Physical hazards

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

| <u>History</u> | |
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| Date of printing | : 4/26/2015. |
| Date of issue/Date of revision | : 4/26/2015. |
| Date of previous issue | : 10/21/2014. |
| Version | : 0.02 |
| Key to abbreviations | ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United NationsACGIH – American Conference of Governmental Industrial Hygienists AIHA – American Industrial Hygiene Association CAS – Chemical Abstract Services CEPA – Canadian Environmental Protection Act CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act (EPA) CFR – United States Code of Federal Regulations CPR – Controlled Products Regulations DSL – Domestic Substances List GWP – Global Warming Potential IARC – International Agency for Research on Cancer ICAO – International Agency for Research on Cancer ICAO – International Civil Aviation Organisation Inh – Inhalation LC – Lethal concentration |
| Date of issue/Date of revision | : 4/26/2015. Date of previous issue : 10/21/2014. Version : 0.02 13/14 |

Section 16. Other information

| | LD – Lethal dosage |
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| | NDSL – Non-Domestic Substances List |
| | NIOSH – National Institute for Occupational Safety and Health |
| | TDG – Canadian Transportation of Dangerous Goods Act and Regulations |
| | TLV – Threshold Limit Value |
| | TSCA – Toxic Substances Control Act |
| | WEEL – Workplace Environmental Exposure Level |
| | WHMIS – Canadian Workplace Hazardous Material Information System |
| References | : Not available. |
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✓ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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