

SAFETY DATA SHEET

True-Phos Perm Buffer

Section 1. Identification

| GHS product identifier | : True-Phos Perm Buffer |
|--|---|
| Product code | : 425401 |
| Other means of identification | : Not available. |
| Product type | : Liquid. |
| Relevant identified uses of | the substance or mixture and uses advised against |
| Product use | : Research. |
| Area of application | : Industrial applications. |
| Supplier/Manufacturer | : BioLegend Inc. 8999 BioLegend Way San Diego, CA 92121 – USA Tel: +1-858-455-9588 (7:00AM – 5:00PM PT, M-F) |
| e-mail address of person responsible for this SDS | : cs@biolegend.com |
| Emergency telephone number (with hours of operation) | : +1-858-455-9588 (7:00AM – 5:00PM PT, M-F) |
| | |

Section 2. Hazards identification

| OSHA/HCS status | : This materia (29 CFR 191 | I is considered hazardous by the OSHA Hazard Communication Standard 0.1200). |
|--|---|--|
| Classification of the substance or mixture | : H225 H301 H311 H331 H370 | FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1 |
| <u>GHS label elements</u> Hazard pictograms | : | |
| | , My | |
| | | |
| Signal word | : Danger | |
| Signal word Hazard statements | : H225 - Highl H301 + H31 ⁻ | y flammable liquid and vapor. 1 + H331 - Toxic if swallowed, in contact with skin or if inhaled. ses damage to organs. (central nervous system (CNS), eyes) |

Section 2. Hazards identification

| Prevention | P280 - Wear protective gloves, protective clothing and eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition |
|------------------------------------|---|
| | sources. No smoking. |
| | P241 - Use explosion-proof electrical, ventilating or lighting equipment. |
| | P242 - Use non-sparking tools. |
| | P243 - Take action to prevent static discharges. |
| | P233 - Keep container tightly closed. |
| | P271 - Use only outdoors or in a well-ventilated area. |
| | P260 - Do not breathe vapor. |
| | P270 - Do not eat, drink or smoke when using this product. |
| _ | P264 - Wash thoroughly after handling. |
| Response | : P308 + P311 - IF exposed: Call a POISON CENTER or doctor. P304 + P340, P311 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor. |
| | P301 + P310, P330 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. |
| | P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. |
| | P302 + P312, P352 - IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of water. |
| Storage | : P405 - Store locked up. |
| | P403 + P235 - Store in a well-ventilated place. Keep cool. |
| Disposal | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Supplemental label elements | : Avoid contact with skin and clothing. Wash thoroughly after handling. |
| lazards not otherwise lassified | : Prolonged or repeated contact may dry skin and cause irritation. |

Section 3. Composition/information on ingredients

| Substance/mixture | : Mixture |
|-------------------|------------------|
| Other means of | : Not available. |
| identification | |

| Ingredient name | Other names | % | CAS number |
|-----------------|-------------|-----|------------|
| methanol | - | ≥90 | 67-56-1 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified 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 first aid measures

Eye contact

 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.

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

Section 4. First aid measures

| Inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
|--------------|---|
| Skin contact | : Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |

Most important symptoms/effects, acute and delayed

| <u>xts</u> |
|---|
| : No known significant effects or critical hazards. |
| : Toxic if inhaled. Causes damage to organs following a single exposure if inhaled. |
| : Toxic in contact with skin. Causes damage to organs following a single exposure in contact with skin. Defatting to the skin. May cause skin dryness and irritation. |
| : Toxic if swallowed. Causes damage to organs following a single exposure if swallowed. |
| <u>itoms</u> |
| : No specific data. |
| : No specific data. |
| : Adverse symptoms may include the following: irritation dryness cracking |
| : No specific data. |
| lical attention and special treatment needed, if necessary |
| : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| : No specific treatment. |
| : 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 or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |
| |

See toxicological information (Section 11)

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Section 5. Fire-fighting measures

| Extinguishing media | |
|--|--|
| Suitable extinguishing media | : Use dry chemical, CO ₂ , water spray (fog) or foam. Sand. |
| Unsuitable extinguishing media | : Do not use water jet. |
| Specific hazards arising from the chemical | : Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. |
| 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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
|--------------------------------|---|---|
| For emergency responders | : | If specialized 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). |

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. Alternative or if water-insoluble, absorb with an inert dry material and place in an appropriate wast 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 treatmer 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. | nt |
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Section 7. Handling and storage

| Section 7. Handling and Storage | | | | |
|--|---|--|--|--|
| Precautions for safe handling | | | | |
| Protective measures | : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. 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 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. See Section 10 for incompatible materials before handling or use. | | | |

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|-----------------|--|
| methanol | ACGIH TLV (United States, 1/2023). Absorbed |
| | through skin. |
| | TWA: 200 ppm 8 hours. |
| | TWA: 262 mg/m ³ 8 hours. |
| | STEL: 250 ppm 15 minutes. |
| | STEL: 328 mg/m ³ 15 minutes. |
| | NIOSH REL (United States, 10/2020). Absorbed |
| | through skin. |
| | TWA: 200 ppm 10 hours. |
| | TWA: 260 mg/m ³ 10 hours. |
| | STEL: 250 ppm 15 minutes. |
| | STEL: 325 mg/m ³ 15 minutes. |
| | OSHA PEL (United States, 5/2018). |
| | TWA: 200 ppm 8 hours. |
| | TWA: 260 mg/m ³ 8 hours. |

Biological exposure indices

| Ingredient name | Exposure indices |
|-----------------|---|
| | ACGIH BEI (United States, 1/2023) BEI: 15 mg/l, methanol [in urine]. Sampling time: end of shift. |

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Section 8. Exposure controls/personal protection

| - | · · · |
|-------------------------------------|--|
| Appropriate engineering controls | : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or 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. |
| ndividual protection measure | <u>IS</u> |
| 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: safety glasses with side-shields. |
| 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. Recommended Hand Protection (Gloves breakthrough time): butyl rubber, 0.3 mm, 480 min |
| | Recommended Hand Protection (Gloves breakthrough time) In splash contact: nitrile rubber, 0.4 mm, 31 min. |
| 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 | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. |

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

| Appearance | | | | |
|--------------------------------|-------------------------------------|--------------|-------------|------|
| Physical state | : Liquid. [Clear.] | | | |
| Color | : Colorless. to Yellow. | | | |
| Odor | : Pungent. | | | |
| Odor threshold | : Not available. | | | |
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Section 9. Physical and chemical properties

| nH | | 7.0 | | | | | | | |
|---|---|---------------------------------|--------|------------------------|---------|------------|----------|-------------|--------------|
| рН | | 7.2 | | | | | | | |
| Melting point/freezing point | | Not available. | | | | | | | |
| Boiling point, initial boiling point, and boiling range | ÷ | Not available. | | | | | | | |
| Flash point | : | | | С | losed c | up | | Oper | ı cup |
| | | Ingredient name | °C | °F | | Method | °C | °F | Method |
| | | methanol | 9.7 | 49.5 | 5 A | bel-Pensky | | | |
| Flammability | : | Not available. | | Į | | | | 1 | 1 |
| Lower and upper explosion limit/flammability limit | : | Not available. | | | | | | | |
| Vapor pressure | 1 | r | 1 | | | | | | |
| | | | Va | apor P | ressur | e at 20°C | | Vapor press | sure at 50°C |
| | | Ingredient name | mm H | lg kP | a | Method | mm Hg | kPa | Method |
| | | methanol | 126.96 | 16.9 |) | | | | |
| Relative vapor density | : | Not available. | | | Į_ | | | | |
| Relative density | 1 | Not available. | | | | | | | |
| Density | 1 | Not available. | | | | | | | |
| Solubility(ies) | 1 | Media | | Resul | t | | | | |
| | | ço ld water hot water | | Partially Partially | | | | | |
| Partition coefficient: n- octanol/water | : | Not applicable. | | | | | | | |
| Auto-ignition temperature | : | Ingredient name | | | °C | °F | | Method | |
| | | methanol | | 4 | 55 | 851 | | DIN 51794 | |
| Decomposition temperature | : | Not available. | | | | | | | |
| SADT | 1 | Not available. | | | | | | | |
| Viscosity | : | Not available. | | | | | | | |
| Particle characteristics | | | | | | | | | |
| Median particle size | : | Not applicable. | | | | | | | |
| Other information | | | | | | | | | |
| Physical/chemical properties comments | : | No additional information | ation. | | | | | | |

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

Section 10. Stability and reactivity

| 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. |
|----------------------------------|---|
| Incompatible materials | : Reactive or incompatible with the following materials: oxidizing materials, reducing materials, acids and alkalis. Acid Chlorides and Acid anhydride. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|-------------------------|--------------------------------------|---------------|--------------------------|--------------|
| methanol | LC50 Inhalation Vapor | Rat | 145000 ppm | 1 hours |
| | LC50 Inhalation Vapor LD50 Dermal | Rat Rabbit | 64000 ppm 15800 mg/kg | 4 hours - |
| | LD50 Oral | Rat | 5600 mg/kg | - |

Irritation/Corrosion

Not available.

Sensitization

Not available.

| Mutagenicity | |
|---------------------------|------------------|
| Conclusion/Summary | : Not available. |
| Carcinogenicity | |
| Conclusion/Summary | : Not available. |
| Reproductive toxicity | |
| Conclusion/Summary | : Not available. |
| Teratogenicity | |
| Conclusion/Summary | : Not available. |

Specific target organ toxicity (single exposure)

| Name | ••• | Route of exposure | Target organs |
|----------|------------|-------------------|---------------------------------------|
| methanol | Category 1 | | central nervous system (CNS), eyes |

<u>Specific target organ toxicity (repeated exposure)</u> Not available.

Aspiration hazard

Not available.

Information on the likely : Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

routes of exposure

Potential acute health effects

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Section 11. Toxicological information

| Eye contact | : No known significant effects or critical hazards. |
|---|--|
| Inhalation | : Toxic if inhaled. Causes damage to organs following a single exposure if inhaled. |
| Skin contact | : Toxic in contact with skin. Causes damage to organs following a single exposure in contact with skin. Defatting to the skin. May cause skin dryness and irritation. |
| Ingestion | : Toxic if swallowed. Causes damage to organs following a single exposure if swallowed. |
| Symptoms related to the phy | sical, chemical and toxicological characteristics |
| Eye contact | : No specific data. |
| Inhalation | : No specific data. |
| Skin contact | : Adverse symptoms may include the following: irritation dryness |
| | cracking |
| Ingestion | : No specific data. |
| Delayed and immediate effect Short term exposure | ts and also chronic effects from short and long term exposure |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Long term exposure | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |
| Potential chronic health eff | <u>ects</u> |
| General | Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. |
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Reproductive toxicity | : No known significant effects or critical hazards. |
| | |

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | | Dermal (mg/kg) | (gases) | · · · | Inhalation (dusts and mists) (mg/ I) |
|-------------------------|-------|-------------------|---------|-------|---|
| True-Phos Perm Buffer | 111.2 | | N/A | 3.4 | N/A |
| methanol | 100.1 | | N/A | 3.1 | N/A |

Section 12. Ecological information

| loxicity | | | |
|-------------------------|------------------|---------|----------|
| Product/ingredient name | Result | Species | Exposure |
| methanol | LC50 15400 mg/l | Fish | 96 hours |
| Conclusion/Summary | : Not available. | | |

Persistence and degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| methanol | - | - | Readily |

Bioaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-----|-----------|
| methanol | -0.77 | 1 | Low |

Mobility in soil

Soil/water partition : Not available. coefficient (K_{oc})

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 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 |
|--------------|---------|--------|---------------------|
| Methanol (I) | 67-56-1 | Listed | U154 |

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Section 14. Transport information

| | DOT Classification | IMDG | ΑΤΑΙ |
|--|--|---|---|
| UN number | UN1230 | UN1230 | UN1230 |
| UN proper shipping name | Methanol solution | METHANOL solution | Methanol solution |
| Transport hazard class(es) | 3 (6.1) | 3 (6.1) | 3 (6.1) |
| Packing group | 11 | II | 11 |
| Environmental hazards | No. | No. | No. |
| DOT Classification | than the product r transportation req <u>Limited quantity</u> <u>Packaging instru</u> <u>Quantity limitation</u> | eportable quantity are not sub uirements. Yes. <u>uction</u> Exceptions: 150. Non-b <u>on</u> Passenger aircraft/rail: 1 L. | |
| IMDG | Special provision : <u>Emergency sche</u> Special provision | edules F-E, S-D | |
| ΙΑΤΑ | Cargo Aircraft On | ly: 60 L. Packaging instruction: aging instructions: Y341. | aft: 1 L. Packaging instructions: 352. s: 364. Limited Quantities - Passenger |
| Special precaution | | re. Ensure that persons transp | nsport in closed containers that are orting the product know what to do in the |
| Transport in bulk to IMO instrument | | | |

Section 15. Regulatory information

| U.S. Federal regulations | : TSCA 8(a) CDR Exempt/Partial exemption: Not determined |
|---|---|
| | United States inventory (TSCA 8b): All components are active or exempted. |
| Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) | : Listed |
| Clean Air Act Section 602 Class I Substances | : Not listed |
| Clean Air Act Section 602 Class II Substances | : Not listed |
| DEA List I Chemicals (Precursor Chemicals) | : Not listed |
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Section 15. Regulatory information

DEA List II Chemicals (Essential Chemicals)

: Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1 HNOC - Defatting irritant

Composition/information on ingredients

| Name | % | Classification |
|----------|-----|---|
| methanol | ≥90 | FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1 HNOC - Defatting irritant |

SARA 313

| | Product name | CAS number | % |
|---------------------------------|--------------|------------|-----|
| Form R - Reporting requirements | methanol | 67-56-1 | ≥90 |
| Supplier notification | methanol | 67-56-1 | ≥90 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

| Massachusetts | : The following components are listed: METHANOL |
|---------------|---|
| New York | : The following components are listed: Methanol |
| New Jersey | : The following components are listed: METHYL ALCOHOL |
| Pennsylvania | : The following components are listed: METHANOL |

California Prop. 65

WARNING: This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| Ingredient name | | Maximum acceptable dosage level |
|-----------------|---|---------------------------------|
| Methanol | - | Yes. |

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

| Date of issue/Date of | revision |
|-----------------------|----------|
|-----------------------|----------|

: 11/09/2023 Date of previous issue

:06/21/2022

Section 15. Regulatory information

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 16. Other information

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



Procedure used to derive the classification

| Classification | Justification |
|---|--------------------|
| FLAMMABLE LIQUIDS - Category 2 | Expert judgment |
| ACUTE TOXICITY (oral) - Category 3 | Calculation method |
| ACUTE TOXICITY (dermal) - Category 3 | Calculation method |
| ACUTE TOXICITY (inhalation) - Category 3 | Calculation method |
| SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1 | Calculation method |

| <u>History</u> | |
|--------------------------------|---|
| Date of issue/Date of revision | : 11/09/2023 |
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| Prepared by | : Sphera Solutions |
| Key to abbreviations | ATE = Acute Toxicity Estimate AMP = Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available UN = United Nations |
| References | : HCS (U.S.A.) - Hazard Communication Standard International transport regulations |
| V Indicator information th | at has shanged from providuely issued version |

Indicates information that has changed from previously issued version.

Notice to reader

| Date of | issue/Date | of revision |
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Section 16. Other information

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.

Date of issue/Date of revision