SAFETY DATA SHEET

CHEMSERVICE

1. Identification

| n aontinoution | | | |
|---------------------------------|---|---------------|-----------------------------|
| Product identifier | Vinclozolin Solution | | |
| Other means of identification | | | |
| ltem | S-13745K1 | | |
| Recommended use | For Laboratory Use Only | | |
| Recommended restrictions | None known. | | |
| Manufacturer/Importer/Supplier/ | Distributor information | | |
| Manufacturer | | | |
| Company name | Chem Service, Inc. | | |
| Address | 660 Tower Lane | | |
| | West Chester, PA 19380 United States | | |
| Telephone | Toll Free | 800-452-9994 | 1 |
| relephone | Direct | 610-692-3026 | |
| Website | www.chemservice.com | | |
| E-mail | info@chemservice.com | | |
| Emergency phone number | Chemtrec US | 800-424-9300 | |
| | Chemtrec outside US | +1 703-527-3 | 887 |
| 2. Hazard(s) identification | | | |
| Physical hazards | Flammable liquids | | Category 2 |
| Health hazards | Acute toxicity, dermal | | Category 5 |
| | Skin corrosion/irritation | | Category 2 |
| | Specific target organ toxicity, si | ngle exposure | Category 3 narcotic effects |
| Environmental hazards | Hazardous to the aquatic environ hazard | onment, acute | Category 1 |
| | Hazardous to the aquatic enviro | onment, | Category 1 |
| OSHA defined hazards | Not classified. | | |
| Label elements | | | |
| | | | |
| | | | |
| | | | |

Signal word Hazard statement Danger

Highly flammable liquid and vapor. May be harmful in contact with skin. Causes skin irritation. May cause drowsiness or dizziness. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

| Precautionary statement | |
|-------------------------|---|
| Prevention | Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/eye protection/face protection. |
| Response | If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage. |
| Storage | Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. |

| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |
|--|---|
| Hazard(s) not otherwise classified (HNOC) | Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion. |
| Supplemental information | None. |

3. Composition/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|---------------|--------------------------|------------|----------|
| Isooctane | 2,2,4-Trimethylpentane | 540-84-1 | 99 - 100 |
| Vinclozolin | | 50471-44-8 | 0.01 |

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

4. First-aid measures

| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
|--|--|
| Skin contact | Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Get medical advice/attention if you feel unwell. |
| Most important symptoms/effects, acute and delayed | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed. |
| General information | Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. |
| 5. Fire-fighting measures | |
| Suitable extinguishing media | Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | Highly flammable liquid and vapor. |

6. Accidental release measures

| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. | |
|---|--|--|
| Methods and materials for containment and cleaning up | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. | |
| | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. | |
| | Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. | |
| | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. | |
| Environmental precautions | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. Use appropriate containment to avoid environmental contamination. | |
| 7. Handling and storage | | |
| Precautions for safe handling | Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. | |
| | For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code". | |
| Conditions for safe storage, including any incompatibilities | Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS). | |
| 8. Exposure controls/personal protection | | |

Occupational exposure limits

| US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) | | | |
|---|------|------------|--|
| Components | Туре | Value | |
| Isooctane (CAS 540-84-1) | PEL | 2350 mg/m3 | |
| | | 500 ppm | |

| Components | Туре | Value |
|-------------------------------------|---|--|
| Isooctane (CAS 540-84-1) | Ceiling | 1800 mg/m3 385 ppm |
| | TWA | 350 mg/m3 75 ppm |
| Biological limit values | No biological exposure limits noted fo | r the ingredient(s). |
| Appropriate engineering controls | Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. | |
| Individual protection measures | , such as personal protective equipme | ent |
| Eye/face protection | Wear safety glasses with side shields | (or goggles). |
| Skin protection Hand protection | Wear appropriate chemical resistant g supplier. | gloves. Suitable gloves can be recommended by the glove |
| Other | Wear appropriate chemical resistant of | lothing. Use of an impervious apron is recommended. |
| Respiratory protection | limits (where applicable) or to an acce | n airborne concentrations below recommended exposure eptable level (in countries where exposure limits have not rator must be worn. Chemical respirator with organic vapor |
| Thermal hazards | Wear appropriate thermal protective of | clothing, when necessary. |
| General hygiene considerations | | serve good personal hygiene measures, such as washing eating, drinking, and/or smoking. Routinely wash work remove contaminants. |

9. Physical and chemical properties

| Appearance | |
|---|-----------------------------------|
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Not available. |
| Odor | Not available. |
| Odor threshold | Not available. |
| рН | Not available. |
| Melting point/freezing point | -161.41 °F (-107.45 °C) estimated |
| Initial boiling point and boiling range | 210.63 °F (99.24 °C) estimated |
| Flash point | 40.1 °F (4.5 °C) estimated |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not applicable. |
| Upper/lower flammability or exp | losive limits |
| Flammability limit - lower (%) | 1.1 % estimated |
| Flammability limit - upper (%) | 4.7 % estimated |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | 59.93 hPa estimated |
| Vapor density | Not available. |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |

| Partition coefficient (n-octanol/water) | Not available. |
|--|------------------------------|
| Auto-ignition temperature | 784 °F (417.78 °C) estimated |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Density | 0.69868 g/cm3 estimated |
| Explosive properties | Not explosive. |
| Flammability class | Flammable IB estimated |
| Oxidizing properties | Not oxidizing. |
| Specific gravity | 0.7 estimated |

10. Stability and reactivity

| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
|---------------------------------------|--|
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| Inhalation | May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful. |
|--|--|
| Skin contact | May be harmful in contact with skin. Causes skin irritation. |
| Eye contact | Direct contact with eyes may cause temporary irritation. |
| Ingestion | Expected to be a low ingestion hazard. |
| Symptoms related to the physical, chemical and toxicological characteristics | Headache. May cause drowsiness and dizziness. Nausea, vomiting. Skin irritation. May cause redness and pain. |

Information on toxicological effects

Acute toxicity

| In high concentrations, vapors are a | nesthetic and may cause headache, fatigue, dizziness and |
|--------------------------------------|--|
| central nervous system effects. May | be harmful in contact with skin. Narcotic effects. |

| Components | Species | Test Results |
|------------------------------|------------|-----------------------|
| Isooctane (CAS 540-84-1) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |
| Inhalation | | |
| LC50 | Rat | > 33.52 mg/l, 4 Hours |
| Oral | | |
| LD50 | Rat | > 5000 mg/kg |
| Vinclozolin (CAS 50471-44-8) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Guinea pig | 8000 mg/kg |
| | Mouse | > 10000 mg/kg |
| | Rat | 10000 mg/kg |

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

| Skin corrosion/irritation | Causes skin irritation. | |
|--|---|--|
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. | |
| Respiratory or skin sensitizatior | 1 | |
| Respiratory sensitization | Not a respiratory sensitizer. | |
| Skin sensitization | This product is not expected to cause skin sensitization. | |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. | |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. | |
| US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | | |
| Not listed. | | |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. | |
| Specific target organ toxicity - single exposure | May cause drowsiness and dizziness. | |
| Specific target organ toxicity - repeated exposure | Not classified. | |
| Aspiration hazard | Not an aspiration hazard. | |
| Chronic effects | Prolonged inhalation may be harmful. | |
| 12. Ecological information | | |
| Ecotoxicity | Very toxic to aquatic life with long lasting effects. | |
| Persistence and degradability | No data is available on the degradability of this product. | |
| Bioaccumulative potential | | |
| Partition coefficient n-octan | ol / water (log Kow) | |
| Isooctane Vinclozolin | 5.18 3.1 | |
| Mobility in soil | No data available. | |
| Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. | |

13. Disposal considerations

| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
|--|--|
| Local disposal regulations | Dispose in accordance with all applicable regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

| DOT |
|-----|
|-----|

| UN numbe | r | UN1262 |
|-------------|--------------------|---|
| UN proper | shipping name | Octanes, solution (Isooctane RQ = 1000 LBS) |
| Transport | hazard class(es) | |
| Class | | 3 |
| Subsid | diary risk | - |
| Label(| s) | 3 |
| Packing gr | roup | II |
| Environme | ental hazards | |
| Marine | e pollutant | Yes |
| Special pro | ecautions for user | Read safety instructions, SDS and emergency procedures before handling. |
| | | |

| UN numberUN1262 Octanes solution (Isooctane)Transport hazard class(es)ClassOctanes solution (Isooctane)Class3Subsidiary risk3Packing groupIPacsenger and cargo aircraftRea safety instructions, SDS and emergency procedures before handling.Passenger and cargo aircraftAllowed.Passenger and cargo aircraftAllowed.UN numberUN1262 OCTANES SOLUTION (Isooctane)UN rumberUN1262 OCTANES SOLUTION (Isooctane)Transport hazard class(es)3Busidiary risk3Packing groupIPacking groupSubsidiary riskPacking groupSubsidiary riskPacking proupSubsidiary riskPacking proupSubsidiary riskPacking proupFE, S-ESubsidiary riskFE, S-ESubsidiary riskFE, S-ESubsidiary riskSubsidiary riskPacking proupSubsidiskPacking proupSubsidiskPacking proupKesFE, S-ESubsidiary riskSubsidiary riskPacking proupKesFE, S-ESubsidiary riskSubsidiskSubsidiary riskSubsidiskSubsidiary riskKesSubsidiary riskSubsidiary riskBack right pollutantYesSubsidiary riskSubsidisked.FE, S-ESubsidisk right pollutantYesSubsidisk right pollutantYesSubsidisk right pollutant< | IAT | Special provisions Packaging exceptions Packaging non bulk Packaging bulk A | IB2, T4, TP1 150 202 242 |
|---|-----|---|---|
| UN proper shipping name Transport hazard class(es)Octanes solution (Isooctane)Class3Subsidiary risk-Packing groupIIEnvironmental hazardsYesERG Code3HSpecial precautions for user aircraftRead safety instructions, SDS and emergency procedures before handling.Other informationAllowed.Passenger and cargo aircraftAllowed.UN number UN numberUN1262UN proper shipping name Transport hazard class(es)OCTANES SOLUTION (Isooctane)Class3Subsidiary risk-Packing groupIIEnvironmental hazardsYesMarine pollutant EmSYesFarsport in bulk according to Annex II of MARPOL 73/78 andF-E, S-ESpecial precautions for user the IBC CodeF-E, S-E | | IIN number | LIN1262 |
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| Annex II of MARPOL 73/78 and the IBC Code | Tra | | |
| DOT | Anr | ex II of MARPOL 73/78 and | |
| | DO. | r | |



Marine pollutant



IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

15. Regulatory information

| US federal regulations | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. One or more components are not listed on TSCA. | | |
|--|--|--|--|
| TSCA Section 12(b) Export | Notification (40 CFR 707, Subpt. D) | | |
| Not regulated. | | | |
| | CERCLA Hazardous Substance List (40 CFR 302.4) | | |
| Isooctane (CAS 540-84- | 1) Listed. | | |
| SARA 304 Emergency relea | se notification | | |
| Not regulated. | | | |
| | ulated Substances (29 CFR 1910.1001-1050) | | |
| Not listed. | | | |
| | eauthorization Act of 1986 (SARA) Immediate Hazard - Yes | | |
| Hazard categories | Delayed Hazard - No | | |
| | Fire Hazard - Yes | | |
| | Pressure Hazard - No Reactivity Hazard - No | | |
| SARA 302 Extremely hazar | - | | |
| Not listed. | | | |
| SARA 311/312 Hazardous chemical | No | | |
| SARA 313 (TRI reporting) Not regulated. | | | |
| Other federal regulations | | | |
| Clean Air Act (CAA) Section | n 112 Hazardous Air Pollutants (HAPs) List | | |
| Isooctane (CAS 540-84- | 1) | | |
| Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) | | | |
| Not regulated. | | | |
| Safe Drinking Water Act (SDWA) | Not regulated. | | |
| US state regulations | | | |
| US - New Jersey RTK - Sub | stances: Listed substance | | |
| Isooctane (CAS 540-84-1) | | | |
| Vinclozolin (CAS 50471-44-8) US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) | | | |
| Not listed. | | | |
| US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)) | | | |
| Isooctane (CAS 540-84-1) | | | |
| US. Massachusetts RTK - Substance List | | | |
| | Isooctane (CAS 540-84-1) | | |
| - | I Community Right-to-Know Act | | |
| Vinclozolin (CAS 50471- | 44-8) | | |
| | | | |

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Isooctane (CAS 540-84-1) Vinclozolin (CAS 50471-44-8)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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

Vinclozolin (CAS 50471-44-8) Listed: August 20, 1999

US - California Proposition 65 - CRT: Listed date/Developmental toxin Vinclozolin (CAS 50471-44-8) Listed: May 15, 1998

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| Issue date | 08-29-2015 |
|--------------|--|
| Version # | 01 |
| NFPA ratings | Health: 2 Flammability: 3 Instability: 0 |

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded SDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

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