# DIIODOSILANE, 95%

Safety Data Sheet SID3520.0

Date of issue: 17/09/2015 Revision date: 19/11/2018 Version: 2.3

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Substance |
| Physical state | : | Liquid |
| Substance name | : | DIIODOSILANE, 95% |
| Product code | : | SID3520.0 |
| Formula | : | H2I2Si |
| Synonyms | : | SILICON DIIODIDE |
| Chemical family | : | SILANE |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Chemical intermediate

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

**GELEST, INC.**
11 East Steel Road
Morrisville, PA 19067
**USA**
T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST
info@gelest.com - www.gelest.com

**GELEST INC.**
Fritz-Klatte-Strasse 8
65933 Frankfurt
**Germany**
T +49 (0) 69 3535106-500 - F +49 (0) 69 3535106-501 - (M-F): 8:00 AM - 4:00 PM
info@gelestde.com - www.gelestde.com

### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

| | |
|---|---|
| Flammable liquids, Category 3 | H226 |
| Substances and Mixtures which, in contact with water, emit flammable gases, Category 2 | H261 |
| Skin corrosion/irritation, Category 1B | H314 |
| Serious eye damage/eye irritation, Category 1 | H318 |

Full text of H statements : see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :

GHS02

GHS05

Signal word (CLP) : Danger

| | | |
|---|---|---|
| Hazard statements (CLP) | : | H226 - Flammable liquid and vapour.<br>H261 - In contact with water releases flammable gases.<br>H314 - Causes severe skin burns and eye damage. |
| Precautionary statements (CLP) | : | P280 - Wear protective gloves/protective clothing/eye protection/face protection.<br>P223 - Do not allow contact with water.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P231+P232 - Handle under inert gas. Protect from moisture.<br>P240 - Ground/bond container and receiving equipment.<br>P310 - Immediately call a POISON CENTER or doctor/physician |
| EUH-statements | : | EUH029 - Contact with water liberates toxic gas. |

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| | | |
|---|---|---|
| Substance type | : | Mono-constituent |
| Name | : | DIIODOSILANE, 95% |
| CAS-No. | : | 13760-02-6 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Diiodosilane | (CAS-No.) 13760-02-6 | 95 - 100 | Flam. Liq. 3, H226<br>Water-react. 2, H261<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318 |

Full text of H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

| | | |
|---|---|---|
| First-aid measures general | : | Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label. |
| First-aid measures after inhalation | : | Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | : | Wash with plenty of water/…. Get immediate medical advice/attention. |
| First-aid measures after eye contact | : | Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. |
| First-aid measures after ingestion | : | Never give anything by mouth to an unconscious person. Get medical advice/attention. |

### 4.2. Most important symptoms and effects, both acute and delayed

| | | |
|---|---|---|
| Symptoms/effects | : | Causes severe skin burns and eye damage. |
| Symptoms/effects after inhalation | : | May cause irritation to the respiratory tract. Inhalation of large amounts is expected to cause necrosis of tracheal epithelium, bronchitis and interstitial pneumonia. |
| Symptoms/effects after skin contact | : | Causes (severe) skin burns. Prolonged absorption of iodides may produce skin rashes, running nose, headache, mucous membrane irritation, anemia, loss of weight and depression. |
| Symptoms/effects after eye contact | : | Causes serious eye damage. |
| Symptoms/effects after ingestion | : | May be harmful if swallowed. |

### 4.3. Indication of any immediate medical attention and special treatment needed

Note to physician: Diiodosilane reacts with water to form hydroiodic acid, consequently treatment for acid burns may be considered.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

| | | |
|---|---|---|
| Suitable extinguishing media | : | Dry chemical. Dry soda ash. |
| Unsuitable extinguishing media | : | Water. |

### 5.2. Special hazards arising from the substance or mixture

| | | |
|---|---|---|
| Fire hazard | : | Flammable liquid and vapour. Irritating fumes and acid vapors may develop when material is exposed to elevated temperatures or open flame. |

Explosion hazard : May form flammable/explosive vapour-air mixture.

### 5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapour and mist.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Eliminate every possible source of ignition. Use special care to avoid static electric charges.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Use only non-sparking tools.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautions for safe handling : Avoid contact with water. Avoid all eye and skin contact and do not breathe vapour and mist. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical equipment.

Storage conditions : Keep container tightly closed. Keep in a cool place. Store locked up.

Incompatible materials : Moisture. Water. Amines.

Storage area : Store in a well-ventilated place. Store away from heat.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

**Appropriate engineering controls:**

Provide local exhaust or general room ventilation.

**Personal protective equipment:**

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Hand protection:**

Wear impervious gloves (neoprene or nitrile rubber gloves)

**Eye protection:**

Chemical goggles or face shield. Contact lenses should not be worn

**Skin and body protection:**

Wear impervious protective clothing

**Respiratory protection:**

Where exposure through inhalation may occur from use, use full face NIOSH-certified respirator with APF of 50.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Appearance | : | Liquid. |
| Molecular mass | : | 283.91 g/mol |
| Colour | : | Pale yellow to pink. |
| Odour | : | Acrid. Hydrogen iodide. |
| Odour threshold | : | No data available |
| Refractive index | : | No additional information available |
| pH | : | No data available |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Melting point | : | No data available |
| Freezing point | : | -1 °C |
| Boiling point | : | 149 - 150 °C |
| Flash point | : | 38 °C |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Flammability (solid, gas) | : | Flammable liquid and vapour. |
| Vapour pressure | : | 25 mm Hg 60°C |
| Relative vapour density at 20 °C | : | > 1 |
| Relative density | : | 2.834 |
| Solubility | : | Reacts with water. |
| Log Pow | : | No data available |
| Log Kow | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosive properties | : | No data available |
| Oxidising properties | : | No data available |
| Explosive limits | : | No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with water.

### 10.2. Chemical stability

Stable in sealed, inerted containers, out of exposure to light.

### 10.3. Possibility of hazardous reactions

Reacts with water and moisture in air liberating hydrogen iodide, liberates hydrogen in presence of platinum and in contact with base. Unstable in presence of hindered amines, potentially forming pyrophoric products.

### 10.4. Conditions to avoid

Heat. Open flame. Sparks.

### 10.5. Incompatible materials

Moisture. Water. Amines.

### 10.6. Hazardous decomposition products

Acid vapors. Hydrogen iodide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

| | | |
|---|---|---|
| Acute toxicity | : | Not classified |
| Skin corrosion/irritation | : | Causes severe skin burns and eye damage. |
| Serious eye damage/irritation | : | Causes serious eye damage. |
| Respiratory or skin sensitisation | : | Not classified |
| Germ cell mutagenicity | : | Not classified |
| Carcinogenicity | : | Not classified<br>None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen. |
| Reproductive toxicity | : | Not classified |
| STOT-single exposure | : | Not classified |
| STOT-repeated exposure | : | Not classified |
| Aspiration hazard | : | Not classified |
| Symptoms/effects after inhalation | : | May cause irritation to the respiratory tract. Inhalation of large amounts is expected to cause necrosis of tracheal epithelium, bronchitis and interstitial pneumonia. |
| Symptoms/effects after skin contact | : | Causes (severe) skin burns. Prolonged absorption of iodides may produce skin rashes, running nose, headache, mucous membrane irritation, anemia, loss of weight and depression. |
| Symptoms/effects after eye contact | : | Causes serious eye damage. |
| Symptoms/effects after ingestion | : | May be harmful if swallowed. |
| Reason for classification | : | Expert judgment |

## SECTION 12: Ecological information

### 12.1. Toxicity

| | | |
|---|---|---|
| Acute aquatic toxicity | : | Not classified |
| Chronic aquatic toxicity | : | Not classified |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

| | | |
|---|---|---|
| Other adverse effects | : | This substance may be hazardous to the environment. |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

| | | |
|---|---|---|
| Sewage disposal recommendations | : | Do not dispose of waste into sewer. |
| Product/Packaging disposal recommendations | : | Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility. |
| Additional information | : | Handle empty containers with care because residual vapours are flammable. |
| Ecology - waste materials | : | Avoid release to the environment. |

## SECTION 14: Transport information

### 14.1. UN number

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

| | | |
|---|---|---|
| UN-No. (ADR) | : | 3129 |
| UN-No. (IMDG) | : | 3129 |
| UN-No. (IATA) | : | 3129 |
| UN-No. (ADN) | : | 3129 |
| UN-No. (RID) | : | 3129 |

### 14.2. UN proper shipping name

| | | |
|---|---|---|
| Proper Shipping Name (ADR) | : | WATER-REACTIVE LIQUID, CORROSIVE, N.O.S. |
| Proper Shipping Name (IMDG) | : | WATER-REACTIVE LIQUID, CORROSIVE, N.O.S. |
| Proper Shipping Name (IATA) | : | Water-reactive liquid, corrosive, n.o.s. |
| Proper Shipping Name (ADN) | : | WATER-REACTIVE LIQUID, CORROSIVE, N.O.S. |
| Proper Shipping Name (RID) | : | WATER-REACTIVE LIQUID, CORROSIVE, N.O.S. |
| Transport document description (ADR) | : | UN 3129 WATER-REACTIVE LIQUID, CORROSIVE, N.O.S. (DIIODOSILANE), 4.3 (8), I, (B/E) |
| Transport document description (IMDG) | : | UN 3129 WATER-REACTIVE LIQUID, CORROSIVE, N.O.S. (DIIODOSILANE), 4.3 (8), I |
| Transport document description (IATA) | : | UN 3129 Water-reactive liquid, corrosive, n.o.s. (DIIODOSILANE), 4.3, I |
| Transport document description (ADN) | : | UN 3129 WATER-REACTIVE LIQUID, CORROSIVE, N.O.S. (DIIODOSILANE), 4.3 (8), I |
| Transport document description (RID) | : | UN 3129 WATER-REACTIVE LIQUID, CORROSIVE, N.O.S. (DIIODOSILANE), 4.3 (8), I |

### 14.3. Transport hazard class(es)

**ADR**

| | | |
|---|---|---|
| Transport hazard class(es) (ADR) | : | 4.3 (8) |
| Danger labels (ADR) | : | 4.3, 8 |

:


**IMDG**

| | | |
|---|---|---|
| Transport hazard class(es) (IMDG) | : | 4.3 (8) |
| Danger labels (IMDG) | : | 4.3, 8 |

:


**IATA**

| | | |
|---|---|---|
| Transport hazard class(es) (IATA) | : | 4.3 (8) |
| Hazard labels (IATA) | : | 4.3, 8 |

:

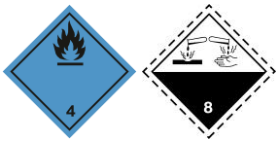

**ADN**

| | | |
|---|---|---|
| Transport hazard class(es) (ADN) | : | 4.3 (8) |
| Danger labels (ADN) | : | 4.3, 8 |

:


**RID**

| | | |
|---|---|---|
| Transport hazard class(es) (RID) | : | 4.3 (8) |
| Danger labels (RID) | : | 4.3, 8 |

: 


### 14.4. Packing group

| | |
|---|---|
| Packing group (ADR) | : I |
| Packing group (IMDG) | : I |
| Packing group (IATA) | : I |
| Packing group (ADN) | : I |
| Packing group (RID) | : I |

### 14.5. Environmental hazards

| | |
|---|---|
| Dangerous for the environment | : No |
| Marine pollutant | : No |
| Other information | : No supplementary information available |

### 14.6. Special precautions for user

**- Overland transport**

| | |
|---|---|
| Classification code (ADR) | : WC1 |
| Special provisions (ADR) | : 274 |
| Limited quantities (ADR) | : 0 |
| Excepted quantities (ADR) | : E0 |
| Packing instructions (ADR) | : P402 |
| Special packing provisions (ADR) | : RR7, RR8 |
| Mixed packing provisions (ADR) | : MP2 |
| Portable tank and bulk container instructions (ADR) | : T14 |
| Portable tank and bulk container special provisions (ADR) | : TP2, TP7 |
| Tank code (ADR) | : L10DH |
| Tank special provisions (ADR) | : TU14, TE21, TM2 |
| Vehicle for tank carriage | : AT |
| Transport category (ADR) | : 0 |
| Special provisions for carriage - Packages (ADR) | : V1 |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV23 |
| Special provisions for carriage - Operation (ADR) | : S20 |
| Hazard identification number (Kemler No.) | : X382 |
| Orange plates | :  |
| Tunnel restriction code (ADR) | : B/E |
| EAC code | : 4W |



**- Transport by sea**

| | |
|---|---|
| Special provisions (IMDG) | : 76, 274 |
| Limited quantities (IMDG) | : 0 |
| Excepted quantities (IMDG) | : E0 |
| Packing instructions (IMDG) | : P402 |
| Tank instructions (IMDG) | : T14 |
| Tank special provisions (IMDG) | : TP2, TP7, TP13 |
| EmS-No. (Fire) | : F-G |
| EmS-No. (Spillage) | : S-N |
| Stowage category (IMDG) | : D |
| Stowage and handling (IMDG) | : H1 |
| Segregation (IMDG) | : SG26 |

**- Air transport**

| | | |
|---|---|---|
| PCA Excepted quantities (IATA) | : | E0 |
| PCA Limited quantities (IATA) | : | Forbidden |
| PCA limited quantity max net quantity (IATA) | : | Forbidden |
| PCA packing instructions (IATA) | : | Forbidden |
| PCA max net quantity (IATA) | : | Forbidden |
| CAO packing instructions (IATA) | : | 480 |
| CAO max net quantity (IATA) | : | 1L |
| Special provisions (IATA) | : | A3 |
| ERG code (IATA) | : | 4CW |

**- Inland waterway transport**

| | | |
|---|---|---|
| Classification code (ADN) | : | WC1 |
| Special provisions (ADN) | : | 274 |
| Limited quantities (ADN) | : | 0 |
| Excepted quantities (ADN) | : | E0 |
| Equipment required (ADN) | : | PP, EP, EX, A |
| Ventilation (ADN) | : | VE01 |
| Provisions for handling and stowage of the cargo (ADN) | : | HA08 |
| Number of blue cones/lights (ADN) | : | 0 |

**- Rail transport**

| | | |
|---|---|---|
| Classification code (RID) | : | WC1 |
| Special provisions (RID) | : | 274 |
| Limited quantities (RID) | : | 0 |
| Excepted quantities (RID) | : | E0 |
| Packing instructions (RID) | : | P402 |
| Special packing provisions (RID) | : | R7, RR8 |
| Mixed packing provisions (RID) | : | MP2 |
| Portable tank and bulk container instructions (RID) | : | T14 |
| Portable tank and bulk container special provisions (RID) | : | TP2, TP7 |
| Tank codes for RID tanks (RID) | : | L10DH |
| Special provisions for RID tanks (RID) | : | TU14, TU38, TE21, TE22, TM2 |
| Transport category (RID) | : | 0 |
| Special provisions for carriage – Packages (RID) | : | W1 |
| Special provisions for carriage - Loading, unloading and handling (RID) | : | CW23 |
| Hazard identification number (RID) | : | X382 |

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

DIIODOSILANE, 95% is not on the REACH Candidate List

DIIODOSILANE, 95% is not on the REACH Annex XIV List

DIIODOSILANE, 95% is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

DIIODOSILANE, 95% is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

#### 15.1.2. National regulations

**Germany**

| | | |
|---|---|---|
| 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV | : | Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) |

**Netherlands**

| | | |
|---|---|---|
| SZW-lijst van kankerverwekkende stoffen | : | The substance is not listed |
| SZW-lijst van mutagene stoffen | : | The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding | : | The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid | : | The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling | : | The substance is not listed |

**Denmark**

| | | |
|---|---|---|
| Class for fire hazard | : | Class II-1 |
| Store unit | : | 5 liter |
| Classification remarks | : | R10 <H226;H261;H314>; Emergency management guidelines for the storage of flammable liquids must be followed |
| Danish National Regulations | : | Young people below the age of 18 years are not allowed to use the product |

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Abbreviations and acronyms:

| | |
|---|---|
| | Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor |

Other information : Prepared by safety and environmental affairs.

Full text of H- and EUH-statements:

| | |
|---|---|
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| Water-react. 2 | Substances and Mixtures which, in contact with water, emit flammable gases, Category 2 |
| H226 | Flammable liquid and vapour. |
| H261 | In contact with water releases flammable gases. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| EUH029 | Contact with water liberates toxic gas. |

SDS EU (REACH Annex II) - Custom

11 E. Steel Road
Morrisville, PA 19067

215-547-1015 phone
215-547-2484 fax
www.gelest.com

**NOTICE OF TSCA USE RESTRICTIONS AND REQUIRED CONTROLS FOR**
**SID3520.0**
**DIIODOSILANE, 95%**

Dear Customer:

The chemical product purchased, SID3520.0 has been granted a Low Volume Exemption by the U.S. Environmental Protection Agency (EPA) under the Toxic Substances Control Act (TSCA) regulations (40 CFR 723.50). Any manufacturer or processor who intends to use this chemical substance for commercial purposes must comply with the specific use restrictions and controls specified as follows:

**USE OF THIS CHEMICAL SUBSTANCE IS RESTRICTED TO**: Precursor for the deposition of silicon nitride in microelectronics applications

**CONTROLS:** Workers must use personal protection equipment to limit dermal and inhalation exposures as described in Section 8: Exposure Controls/Personal Protection of the Safety Data Sheet (SDS). These exposure controls include:

Hand protection: Impervious gloves (neoprene or nitrile rubber gloves)
Eye Protection: Chemical goggles. Contact lenses should not be worn.
Skin and Body Protection: Wear suitable protective clothing.
Respiratory Protection: Air-purifying respirator with APF of 50.

**WASTE DISPOSAL:** Customer must rinse containers with solvent prior to disposal. Residues and wash solvents must be containerized for off-site disposal by incineration at licensed waste disposal facility. Do not release to publicly owned treatment works (POTW) via sewer or to surface waters.

If you have questions or need more information related to allowable use of this substance, contact Gelest Regulatory Affairs at 215-547-1015.

Best Regards,

Gelest, Inc.
Regulatory Affairs Department