

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : CIW-6355GL

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Smart Chemical Solutions, LLC
3505 Olsen Blvd
Suite 201
Amarillo, TX 79109
T (806) 367-8031

1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

| | | |
|--|------|-----------------------------------|
| Flammable liquids Category 2 | H225 | Highly flammable liquid and vapor |
| Serious eye damage/eye irritation Category 2 | H319 | Causes serious eye irritation |
| Hazardous to the aquatic environment - Acute Hazard Category 1 | H400 | Very toxic to aquatic life |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H225 - Highly flammable liquid and vapor
H319 - Causes serious eye irritation
H400 - Very toxic to aquatic life

Precautionary statements (GHS US) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.

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P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use media other than water to extinguish.
P391 - Collect spillage.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

5.06% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
10.96% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
9.16% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS US classification |
|---|---------------------|--------------|--|
| Methanol | CAS-No.: 67-56-1 | 7.533 – 31.3 | Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370 |
| Imidazoline | CAS-No.: 61790-69-0 | 0.25 – 5 | Aquatic Acute 1, H400 |
| 1,2-Ethanediol | CAS-No.: 107-21-1 | 0.25 – 5 | Acute Tox. 4 (Inhalation:dust,mist), H332 |
| Hydrochloric Acid | CAS-No.: 7647-01-0 | 0.25 – 5 | Skin Corr. 1, H314 Eye Dam. 1, H318 |
| Quaternary ammonium compounds, benzyl-C12-16 alkyldimethyl, chlorides | CAS-No.: 68424-85-1 | 0.2 – 4.1 | Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.

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| | |
|---------------------------------------|--|
| First-aid measures after skin contact | : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Call a poison center/doctor/physician if you feel unwell. |

4.2. Most important symptoms and effects (acute and delayed)

| | |
|------------------------------------|-------------------|
| Symptoms/effects after eye contact | : Eye irritation. |
|------------------------------------|-------------------|

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

5.2. Specific hazards arising from the chemical

| | |
|--|--------------------------------------|
| Fire hazard | : Highly flammable liquid and vapor. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|---|
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and clothing. |
|----------------------|---|

6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| For containment | : Collect spillage. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Methanol (67-56-1)

USA - ACGIH - Occupational Exposure Limits

| | |
|----------------------|--|
| Local name | Methanol |
| ACGIH OEL TWA [ppm] | 200 ppm |
| ACGIH OEL STEL [ppm] | 250 ppm |
| Remark (ACGIH) | TLV® Basis: Headache; eye dam; dizziness; nausea. Notations: Skin; BEI |
| Regulatory reference | ACGIH 2022 |

USA - ACGIH - Biological Exposure Indices

| | |
|----------------------|--|
| Local name | METHANOL |
| BEI | 15 mg/l Parameter: Methanol - Medium: urine - Sampling time: End of shift - Notations: B, Ns |
| Regulatory reference | ACGIH 2022 |

USA - OSHA - Occupational Exposure Limits

| | |
|--------------------------------|--------------------------|
| Local name | Methyl alcohol |
| OSHA PEL TWA [1] | 260 mg/m ³ |
| OSHA PEL TWA [2] | 200 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

1,2-Ethanediol (107-21-1)

USA - ACGIH - Occupational Exposure Limits

| | |
|----------------------|---|
| Local name | Ethylene glycol |
| ACGIH OEL TWA [ppm] | 25 ppm (Vapor fraction) |
| ACGIH OEL STEL | 10 mg/m ³ (Inhalable fraction, Aerosol only) |
| ACGIH OEL STEL [ppm] | 50 ppm (Vapor fraction) |
| Remark (ACGIH) | TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen) |

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1,2-Ethanediol (107-21-1)

| | |
|----------------------|------------|
| Regulatory reference | ACGIH 2022 |
|----------------------|------------|

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Liquid |
| Appearance | : Clear. |
| Color | : amber |
| Odor | : Pungent |
| Odor threshold | : No data available |
| pH | : 7.58 – 7.88 |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Not applicable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 7.443 – 7.743 |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |

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Explosive properties : No data available
Oxidizing properties : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Harmful in contact with skin.
Acute toxicity (inhalation) : Harmful if inhaled.

| CIW-6355GL | |
|---------------------------------|--|
| ATE US (dermal) | 1373.329 mg/kg body weight |
| ATE US (dust, mist) | 2.494 mg/l/4h |
| Unknown acute toxicity (GHS US) | 5.06% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 10.96% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 9.16% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)) |

Methanol (67-56-1)

| | |
|-----------------------|---|
| LD50 oral rat | 1187 – 2769 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, Aqueous solution, Oral, 7 day(s)) |
| LD50 dermal rabbit | 300 mg/kg Source: ECHA |
| LC50 Inhalation - Rat | 128 mg/l air (BASF test, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours)) |
| ATE US (oral) | 1187 mg/kg body weight |
| ATE US (dermal) | 300 mg/kg body weight |
| ATE US (gases) | 700 ppmV/4h |

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Methanol (67-56-1)

| | |
|---------------------|-------------|
| ATE US (vapors) | 3 mg/l/4h |
| ATE US (dust, mist) | 0.5 mg/l/4h |

Imidazoline (61790-69-0)

| | |
|---------------|---|
| LD50 oral rat | > 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Remarks on results: other: |
|---------------|---|

Quaternary ammonium compounds, benzyl-C12-16 alkyldimethyl, chlorides (68424-85-1)

| | |
|---------------|--|
| LD50 oral rat | 426 mg/kg Source: National Library of Medicine |
| ATE US (oral) | 426 mg/kg body weight |

1,2-Ethenediol (107-21-1)

| | |
|---------------------------|---|
| LD50 oral rat | 7712 mg/kg body weight (according to BASF-internal standards, Rat, Male / female, Experimental value, Aqueous solution, Oral, 7 day(s)) |
| LD50 dermal | > 3500 mg/kg body weight (Mouse, Male / female, Experimental value, Dermal) |
| LC50 Inhalation - Rat | > 2.5 mg/l (6 h, Rat, Male / female, Experimental value, Inhalation (aerosol)) |
| ATE US (oral) | 7712 mg/kg body weight |
| ATE US (dust, mist) | 1.5 mg/l/4h |
| Skin corrosion/irritation | : Not classified pH: 7.58 – 7.88 |

Hydrochloric Acid (7647-01-0)

| | |
|-------------------------------|---|
| pH | < 1 |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: 7.58 – 7.88 |

Hydrochloric Acid (7647-01-0)

| | |
|------------------------------------|--------------------------|
| Viscosity, kinematic | 1.933 mm ² /s |
| Symptoms/effects after eye contact | : Eye irritation. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life.

Methanol (67-56-1)

| | |
|----------------------|--|
| LC50 - Fish [1] | 15400 mg/l (EPA 660/3 - 75/009, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | 18260 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 96 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Locomotor effect) |
| EC50 96h - Algae [1] | 22000 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate) |

Imidazoline (61790-69-0)

| | |
|-----------------|---------------------------|
| LC50 - Fish [1] | 4.138 mg/l Source: ECOSAR |
|-----------------|---------------------------|

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Imidazoline (61790-69-0)

| | |
|----------------------|---|
| EC50 72h - Algae [1] | > 10 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>) |
|----------------------|---|

| | |
|----------------------|---------------------------|
| EC50 96h - Algae [1] | 0.328 mg/l Source: ECOSAR |
|----------------------|---------------------------|

Quaternary ammonium compounds, benzyl-C12-16 alkyldimethyl, chlorides (68424-85-1)

| | |
|-----------------|--|
| LC50 - Fish [1] | 0.51 mg/l Source: The ECOTOXicology database |
|-----------------|--|

| | |
|----------------------|--|
| EC50 - Crustacea [1] | 0.0059 mg/l Source: The ECOTOXicology database |
|----------------------|--|

| | |
|----------------------|--|
| EC50 96h - Algae [1] | 4.813 mg/l Source: Ecological Structure Activity Relationships |
|----------------------|--|

1,2-Ethandiol (107-21-1)

| | |
|-----------------|---|
| LC50 - Fish [1] | > 72860 mg/l (EPA 600/4-90/027, 96 h, <i>Pimephales promelas</i> , Static system, Fresh water, Experimental value, Nominal concentration) |
|-----------------|---|

| | |
|----------------------|--|
| EC50 - Crustacea [1] | > 100 mg/l (OECD 202: <i>Daphnia</i> sp. Acute Immobilisation Test, <i>Daphnia magna</i> , Static system, Fresh water, Experimental value) |
|----------------------|--|

| | |
|----------------------|--------------------------------|
| EC50 96h - Algae [1] | 6500 – 13000 mg/l Source: ECHA |
|----------------------|--------------------------------|

| | |
|----------------|--|
| NOEC (chronic) | ≥ 1000 mg/l Test organisms (species): <i>Americamysis bahia</i> (previous name: <i>Mysidopsis bahia</i>) Duration: '23 d' |
|----------------|--|

Hydrochloric Acid (7647-01-0)

| | |
|-----------------|---|
| LC50 - Fish [1] | 282 mg/l (96 h, <i>Gambusia affinis</i> , Pure substance) |
|-----------------|---|

| | |
|----------------------|---|
| EC50 - Crustacea [1] | < 56 mg/l (72 h, <i>Daphnia magna</i> , Pure substance) |
|----------------------|---|

12.2. Persistence and degradability

Methanol (67-56-1)

| | |
|-------------------------------|--|
| Persistence and degradability | Readily biodegradable in the soil. Readily biodegradable in water. |
|-------------------------------|--|

| | |
|---------------------------------|--|
| Biochemical oxygen demand (BOD) | 0.6 – 1.12 g O ₂ /g substance |
|---------------------------------|--|

| | |
|------------------------------|------------------------------------|
| Chemical oxygen demand (COD) | 1.42 g O ₂ /g substance |
|------------------------------|------------------------------------|

| | |
|------|-----------------------------------|
| ThOD | 1.5 g O ₂ /g substance |
|------|-----------------------------------|

1,2-Ethandiol (107-21-1)

| | |
|-------------------------------|--|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
|-------------------------------|--|

| | |
|---------------------------------|------------------------------------|
| Biochemical oxygen demand (BOD) | 0.47 g O ₂ /g substance |
|---------------------------------|------------------------------------|

| | |
|------------------------------|------------------------------------|
| Chemical oxygen demand (COD) | 1.24 g O ₂ /g substance |
|------------------------------|------------------------------------|

| | |
|------|------------------------------------|
| ThOD | 1.29 g O ₂ /g substance |
|------|------------------------------------|

Hydrochloric Acid (7647-01-0)

| | |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
|-------------------------------|-----------------------------------|

| | |
|------------------------------|----------------|
| Chemical oxygen demand (COD) | Not applicable |
|------------------------------|----------------|

| | |
|------|----------------|
| ThOD | Not applicable |
|------|----------------|

| | |
|-----------------|----------------|
| BOD (% of ThOD) | Not applicable |
|-----------------|----------------|

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12.3. Bioaccumulative potential

Methanol (67-56-1)

| | |
|---|---|
| BCF - Fish [1] | 1 – 4.5 (72 h, Cyprinus carpio, Static system, Fresh water, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | -0.77 (Experimental value) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

Quaternary ammonium compounds, benzyl-C12-16 alkyldimethyl, chlorides (68424-85-1)

| | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.91 Source: Quantitative Structure Activity Relation |
|---|---|

1,2-Ethandiol (107-21-1)

| | |
|---|----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -1.36 (Experimental value) |
| Bioaccumulative potential | Not bioaccumulative. |

Hydrochloric Acid (7647-01-0)

| | |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | 0.25 (QSAR) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil

Methanol (67-56-1)

| | |
|--|---|
| Mobility in soil | 2.75 Source: HSDB |
| Surface tension | No data available in the literature |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | -0.89 – -0.21 (log Koc, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

Quaternary ammonium compounds, benzyl-C12-16 alkyldimethyl, chlorides (68424-85-1)

| | |
|------------------|------------------------|
| Mobility in soil | 1002 Source: EPI Suite |
|------------------|------------------------|

1,2-Ethandiol (107-21-1)

| | |
|------------------|------------------------|
| Mobility in soil | 0.2 Source: HSDB |
| Surface tension | 48.4 mN/m (20 °C) |
| Ecology - soil | Highly mobile in soil. |

Hydrochloric Acid (7647-01-0)

| | |
|----------------|--|
| Ecology - soil | No (test)data on mobility of the component(s) available. May be harmful to plant growth, blooming and fruit formation. |
|----------------|--|

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods




| | |
|-------------------------|---|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Additional information | : Flammable vapors may accumulate in the container. |

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SECTION 14: Transport information

| DOT | IMDG | IATA |
|---|---|---|
| 14.1. UN number | | |
| 1993 | 1993 | 1993 |
| 14.2. Proper Shipping Name | | |
| Flammable liquids, n.o.s. (Methanol) | FLAMMABLE LIQUID, N.O.S. (Methanol) | Flammable liquid, n.o.s. (Methanol) |
| 14.3. Transport hazard class(es) | | |
| 3 | 3 | 3 |
|  |  |  |
| 14.4. Packing group | | |
| II | II | II |
| 14.5. Environmental hazards | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes Marine pollutant: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | |

14.6. Special precautions for user

| | |
|--|---|
| DOT | |
| UN-No.(DOT) | : UN1993 |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : 150 |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 202 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : 242 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 5 L |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : 60 L |
| DOT Vessel Stowage Location | : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded. |
| IMDG | |
| Special provision (IMDG) | : 274 |
| Limited quantities (IMDG) | : 1 L |
| Excepted quantities (IMDG) | : E2 |
| Packing instructions (IMDG) | : P001 |
| IBC packing instructions (IMDG) | : IBC02 |
| Tank instructions (IMDG) | : T7 |
| Tank special provisions (IMDG) | : TP1, TP28, TP8 |
| EmS-No. (Fire) | : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS |
| EmS-No. (Spillage) | : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER |
| Stowage category (IMDG) | : B |

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IATA

| | |
|--|--------|
| PCA Excepted quantities (IATA) | : E2 |
| PCA Limited quantities (IATA) | : Y341 |
| PCA limited quantity max net quantity (IATA) | : 1L |
| PCA packing instructions (IATA) | : 353 |
| PCA max net quantity (IATA) | : 5L |
| CAO packing instructions (IATA) | : 364 |
| CAO max net quantity (IATA) | : 60L |
| Special provision (IATA) | : A3 |
| ERG code (IATA) | : 3H |

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

| | | |
|---|--------------------|------------|
| Imidazoline | CAS-No. 61790-69-0 | 0.25 – 5% |
| Quaternary ammonium compounds, benzyl-C12-16 alkyldimethyl, chlorides | CAS-No. 68424-85-1 | 0.2 – 4.1% |
| 1,2-Ethandiol | CAS-No. 107-21-1 | 0.25 – 5% |
| Hydrochloric Acid | CAS-No. 7647-01-0 | 0.25 – 5% |

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| | | |
|----------|-----------------|---------------|
| Methanol | CAS-No. 67-56-1 | 7.533 – 31.3% |
|----------|-----------------|---------------|

Methanol (67-56-1)

Listed on EPA Hazardous Air Pollutant (HAPS)

| | |
|-----------|---------|
| CERCLA RQ | 5000 lb |
|-----------|---------|

15.2. International regulations

CANADA

Methanol (67-56-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Methanol (67-56-1)


Listed on INSQ (Mexican National Inventory of Chemical Substances)

CIW-6355GL

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.3. US State regulations

 **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.

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases

| | |
|------|-----------------------------------|
| H225 | Highly flammable liquid and vapor |
| H319 | Causes serious eye irritation |
| H400 | Very toxic to aquatic life |

Safety Data Sheet (SDS), USA