

Incozol 4



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1. Identification

Product name : Incozol 4

Supplier : Sika Corporation

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Recommended use of the chemical and restrictions on use : For further information, refer to the product technical data sheet.

2. Hazards identification

GHS Classification

Flammable liquids , Category 4 H227: Combustible liquid.
Eye irritation , Category 2A H319: Causes serious eye irritation.
Skin sensitization , Category 1 H317: May cause an allergic skin reaction.

GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H227 Combustible liquid.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary Statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.



P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment for extinction.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

See Section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

Pure substance/mixture : Substance

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl]hexane- 1,2-diylbiscarbamate	59719-67-4	>= 50 - <= 100 %

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

4. First aid measures

- If inhaled : Move to fresh air.
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.



Most important symptoms and effects, both acute and delayed	: irritant effects sensitizing effects Allergic reactions Excessive lachrymation See Section 11 for more detailed information on health effects and symptoms.
Protection of first-aiders	: Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.
Notes to physician	: Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	: Carbon dioxide (CO ₂)
Unsuitable extinguishing media	: Water
Specific extinguishing methods	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	: In the event of fire, wear self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Deny access to unprotected persons.
Environmental precautions	: Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

7. Handling and storage

Advice on safe handling	: Do not breathe vapors or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease
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	<p>should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.</p>
Conditions for safe storage	<p>: Store in original container. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Store in accordance with local regulations.</p>
Materials to avoid	<p>: no data available</p>

8. Exposure controls/personal protection

Contains no substances with occupational exposure limit values.

Engineering measures	<p>: Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.</p>
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Personal protective equipment

Respiratory protection	<p>: Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.</p> <p>The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.</p>
Hand protection	
Remarks	<p>: 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.</p>
Eye protection	<p>: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.</p>
Skin and body protection	<p>: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.</p>
Hygiene measures	<p>: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the</p>



product.
Remove respiratory and skin/eye protection only after vapors have been cleared from the area.
Remove contaminated clothing and protective equipment before entering eating areas.
Wash thoroughly after handling.

9. Physical and chemical properties

Appearance	: liquid
Color	: tan
Odor	: sweet
Odor Threshold	: no data available
Flash point	: 212.9 °F (100.5 °C)
Ignition temperature	: not applicable
Decomposition temperature	: no data available
Lower explosion limit (Vol%)	: no data available
Upper explosion limit (Vol%)	: no data available
Flammability (solid, gas)	: no data available
Oxidizing properties	: no data available
Autoignition temperature	: no data available
pH	: no data available
Melting point/range / Freezing point	: no data available
Boiling point/boiling range	: ca. 464 °F (240 °C)
Vapor pressure	: no data available
Density	: ca.1.08 g/cm3 at 68 °F (20 °C)
Water solubility	: Note: insoluble
Partition coefficient: n- octanol/water	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: > 7 mm2/s at 104 °F (40 °C)
Relative vapor density	: no data available

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Evaporation rate : no data available
 Burning rate : no data available
 Volatile organic compounds (VOC) content : 0 g/l

10. Stability and reactivity

Reactivity : No dangerous reaction known under conditions of normal use.
 Chemical stability : The product is chemically stable.
 Possibility of hazardous reactions : Stable under recommended storage conditions.
 Conditions to avoid : Extremes of temperature and direct sunlight.
 Incompatible materials : no data available

11. Toxicological information

Acute toxicity

Product

Acute oral toxicity : no data available
 Acute inhalation toxicity : no data available
 Acute dermal toxicity : no data available

Ingredients:

bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl]hexane- 1,2-diylbiscarbamate :

Acute oral toxicity : LD50 Oral rat: > 5,000 mg/kg
 Acute dermal toxicity : LD50 Dermal rabbit: > 2,000 mg/kg

Skin corrosion/irritation

Product

no data available

Serious eye damage/eye irritation

Product

Causes serious eye irritation.

Respiratory or skin sensitization

Product



May cause an allergic skin reaction.

Germ cell mutagenicity**Product**

Mutagenicity : no data available

Carcinogenicity**Product**

Carcinogenicity : no data available

IARC

not applicable

NTP

not applicable

Reproductive Toxicity/Fertility**Product**

Reproductive toxicity : no data available

Reproductive Toxicity/Development/Teratogenicity**Product**

Teratogenicity : no data available

STOT-single exposure**Product**

Assessment: no data available

STOT-repeated exposure

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Product

Assessment: no data available

Aspiration toxicity**Product**

no data available

12. Ecological information

Other information

Do not empty into drains; dispose of this material and its container in a safe way.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
May be harmful to the environment if released in large



quantities.
Water polluting material.

Component:

bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl]hexane-1,2-diylbiscarbamate 59719-67-4

Toxicity to daphnia and other aquatic invertebrates:
EC50

Species: Daphnia magna (Water flea)

Dose: 87.1 mg/l

Exposure time: 48 h

Toxicity to algae:
EC50

Species: Scenedesmus capricornutum (fresh water algae)

Dose: 18.6 mg/l

Exposure time: 72 h

13. Disposal considerations**Disposal methods**

- Waste from residues : 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.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information**DOT**

Not regulated

IATA

UN number

3082

Description of the goods

Environmentally hazardous substance, liquid, n.o.s.
(bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl]hexane- 1,2-diylbiscarbamate)

Class

9

Packing group

III

Labels

9

Packing instruction (cargo aircraft)

964

Packing instruction (passenger aircraft)

964

Packing instruction (passenger aircraft)

Y964

IMDG

UN number

3082

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,



	N.O.S. (bis[2-[2-(1-methylethyl)-3-oxazolidinyl]ethyl]hexane- 1,2-diylbiscarbamate)
Class	9
Packing group	III
Labels	9
EmS Number 1	F-A
EmS Number 2	S-F
Marine pollutant	yes

IMDG: For Limited Quantity special provisions reference IMDG Code Chapter 3.4

Special precautions for user

no data available

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

not applicable

15. Regulatory information

TSCA list : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

EPCRA - Emergency Planning and Community Right-to-Know**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard
Chronic Health Hazard

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act**Ozone-Depletion Potential**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).



This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

16. Other information**HMIS Classification**

Health	*	2
Flammability		2
Physical Hazard		0
Personal Protection		X

Caution: HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

Notes to Reader

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