

MATERIAL SAFETY DATA SHEET

According to Regulation (EU) 2015/830 (REACH Annex II) Date of original preparation: 2019/5/13 Revision date: 2019/5/13

Version: 1

SECTION 1: Name of the substance/mixture and company name

1.1 Product Identifier

Product name : Glycidyl Neodecanoate

CAS number : 26761-45-5

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

Recommended use: It can be used as a modifier for the production of high-grade alkyd resins, polyester resins, acrylic resins and other resins, and can also be used as an epoxy resin Reactive diluent for lipids. Used in coatings, paints, dyes and other industries, and can also be used in the production of automotive primers, topcoats and repair paints, etc. Product.

Uses advised against: No information available

1.3. Supplier information on safety data sheets

Supplier:	Address:
Zip code:	Tel:
Fax:	Email:
Importer:	Address:
Zip Code:	Telephone:
Fax:	Email:

1.4. Emergency Telephone

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Sensitization	Category 1	H317
Germ cell mutagenicity	Category 2	H341
Chronic aquatic toxicity	Category 2	H411

Full text of the H Statement: See Section 1

2.2. Label elements

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

Pictogram (CLP)



Signal word (CLP):

WARNING

Hazard Statements (CLP):

H317 - May cause an allergic skin reaction.

H341 - Suspected of causing hereditary defects.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP):

P201 - Obtain special instructions before use

P280 - Wear protective gloves/protective clothing and eye/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P308 + P313 - IF exposed or concerned: Get medical advice/attenti

P501 - Dispose of contents/container to an approved waste disposal site

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2.3. Other hazards

No information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Product name	Product Identifier	%	Classified according to Regulation (EC)
			No.127/2008 [CLP]
Oxiranyl methyl neodecanoate	(CAS No.)26761-45-5 (EC No.)247-979-2	99	Skin Sens. 1 (H317) Muta. 2 (H341) Aquatic Chronic2 (H411)

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1. First aid measures

General first aid measures: Take off contaminated clothing and shoes. Call a doctor if symptoms persist .

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing If inhaled.
Seek medical advice consultation/seek medical attention if you feel unwell

Skin contact: Wash immediately with soap and plenty of water while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Call a physician If skin irritation persists,

Eye contact: IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses,if present and can be easily removed. Continue rinse. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. Seek medical attention. Do not give anything by mouth to an unconscious patient.

4.2. Most important acute or delayed symptoms and consequences

May cause an allergic skin reaction. Suspected of causing genetic defects.

4.3. Instructions for emergency medical assistance or special treatment

Symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Use fire extinguishing measures appropriate to local conditions and surrounding circumstances.

Unsuitable extinguishing media: No information available

5.2. Special hazards presented by the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors

5.3. Precautions and protective measures for fire fighting

Firefighters should wear self-contained breathing apparatus and full firefighting clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedure

Evacuate people to safety

Ensure adequate ventilation, especially in confined areas

Eliminate all sources of ignition (no smoking, burning, sparks or flames in the immediate area)

Avoid contact with skin, eyes or clothing

Contaminated work clothing should not be taken out of the workplace

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Do not breathe vapor

Use personal protective equipment recommended in Section 8 Wash thoroughly after handling

6.2. Environmental Protection Measures

Local authorities should be notified if a large spill cannot be contained

Prevent entry into waterways, sewers, basements or enclosed areas

6.3. Methods and materials for containment and cleaning up

Contain and collect spillage, then absorb with non-combustible absorbent material (e.g. Sand, earth, diatomaceous earth, vermiculite) and place in a container for disposal according to local/national regulations (see Section 13

Minute)

6.4. References to other sections

See Section 7 for more information

See Section 8 for more information

See page 13 for more information

SECTION 7: HANDLING AND STORAGE

7.1. Precautions and measures for safe handling Handle in accordance with good industrial hygiene and safety practice.

Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before re-use. Use Do not breathe vapors. Keep away from heat/sparks/open flames/hot surfaces. --No smoking. Do not eat, drink or smoke when using this product Use personal protective equipment recommended in Section 8 Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place away from heat, Sparks, flames and other sources of ignition remain locked out and stored out of the reach of children Keep away from food, drink and animal feed Store in accordance with local regulations

7.3 Specific End Uses No specific use specified other than those mentioned in Section 1.2

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Parameters required for supervision

No information available

8.2. Exposure controls Engineering controls:

Ensure that the workplace is well ventilated. Take a shower. Eye wash station. Eliminate all sources of ignition.

Hand protection
Protective gloves Eye and face protection
Eye and face protection:
Wear safety glasses with side shields (or goggles)
Skin and body protection
Wear suitable protective clothing
Respiratory protection
Wear respiratory protection [in the case of insufficient ventilation]

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Environmental Exposure Controls :

Do not allow to enter any drain, spill on the ground or enter any water

SECTION9: PHYICAL AND CHEMICAL

9.1. Basic physical and chemical properties

Colour:	Colorless
Odor:	Weak odor
Threshold:	Not determined
PH :	Not determined
Melting point/freezing point:	ca. -70 °C
Boiling point/boiling range:	269 °C C
Flash point:	ca. 126 °C
Evaporation rate:	not determined
Flammability (solid, gas):	on-flammable
Flammability limits in air:	Not applicable Vapor pressure: ca. 0.15 hpa (20 °C) c
Vapor Density :	7.88
Density :	0.96 g/cm3 (20°C)
Relative density :	0.96 (20 °C)
Specific gravity:	not determined
Water solubility :	70 mg/L (20 °C)
Partition coefficient (logpow) :	4.4
Auto-ignition temperature:	276 °C
Decomposition temperature :	not determined
Kinematic viscosity :	8.3 mm ² /s (20 °C), 4.42 mm ² /s (40 °C)
Dynamic Viscosity :	not determined
Explosiveness :	Non-explosive
Oxidation	Not determined

9.2. Other information

No information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No information available

10.2. Stability

Stable under normal conditions

10.3. Hazardous reactions

Does not occur during normal processing

10.4. Conditions to avoid

Heat, flames and sparks. Incompatible material

10.5. Incompatibilities

Strong oxidants. Strong acid. Strong base.

10.6. Hazardous decomposition products

Carbon monoxide, aldehydes, acids.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Oxiranyl methyl neodecanoate (26761-45-5)	
Rat oral Id50	>2000 mg/kg
Rat dermal Id50	> 2000 mg/kg
Rat inhalation lc50	> 240 mg/m ³ air/4h

Skin corrosion/irritation	: not irritating to skin.
Serious eye damage/eye irritation	: not irritating to eyes.
Respiratory or skin sensitization	:may cause an allergic skin reaction.
Germ cell mutagenicity	:suspected of causing genetic defects.
Carcinogenicity	no information available
Reproductive toxicity	no information available
Specific target organ toxicity (single exposure)	no information available
Specific target organ toxicity (repeated exposure)	no information available
Aspiration hazard	no information available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Oxiranyl Methyl Neodecanoate (26761-45-5)	
Algae/aquatic plants EC50	Ca. 2.9: 96 h Selenastrum
Fish LC50	Ca. 5: 96 h Salmo gairdneri mg/L LC50
Crustaceans EC50	Ca. 4.8: 48 h Daphnia magna mg/L EC50

12.2. Persistence and degradability

7-8% degradation in 28 days.

Not readily biodegradable.

12.3. Bioaccumulative potential

BCF = 371.6 L/kg

BCF = 62.19 L/kg

12.4. Mobility in soil

No information available

12.5. PBT and vpvb evaluation results

This substance is not PBT/vpvb.

12.6. Other adverse effects on the environment

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste chemicals

Waste from residues/unused product: Dispose of in accordance with applicable regional, national and local laws and regulations

Contaminated packaging: Dispose of in accordance with applicable regional, national and local laws and regulations

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SECTION 14: TRANSPORT INFORMATION

Compliant with ADR / RID / IMDG / IATA / AND

ADR	IMDG	IATA	ADN	RID
14.1. united nations dangerous goods number (un number)				
Not specified	Not specified	Not specified	Not specified	Not specified
14.2. UN proper shipping name				
Not specified	Not specified	Not specified	Not specified	Not specified
Not specified	Not specified	Not specified	Not specified	Not specified
14.4. Packing class				
Not specified	Not specified	Not specified	Not specified	Not specified
14.5. Environmental hazards				
Not specified	Not specified	Not specified	Not specified	Not specified

14.6. Special precautions for user

Road transport

Not specified

Ocean Freight (IMDG)

Not specified

Air Transport (IATA)

Not specified

Inland Waterway Transport (ADN)

Not specified

Rail Transport (RID)

Not specified

14.7. Bulk Carriage According to MARPOL Annex II and IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental protection regulations/special regulations for the substance or mixture

15.1.1. EU regulations

No restrictions according to REACH Annex XVII

Glycidyl tert-carbonate Not included in the REACH Candidate List

Glycidyl tert-carbonate Not listed in REACH Annex XIV

Glycidyl tert-carbonate is not covered by Regulation (EU) 649/2012 of the European Parliament and of the Council of 04.07.2012 on the import and export of hazardous chemicals

Glycidyl tert-carbonate is not covered by 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 around

15.1.2. National regulations

Germany

12th Executive Order of the Federal Emissions Control Act - 12.bimschv : Not regulated by blmschv 12th Edition (Regulations for Protection Against Emissions)

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Netherlands

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

Denmark

Danish national regulations: This product is prohibited for young people under the age of 18

Pregnant or breastfeeding women should not directly touch this product.

During use and disposal, the relevant regulations of the Danish Labor Environment Administration on occupational exposure to carcinogens must be complied with

15.2. Chemical safety assessment

No chemical safety assessment was performed

SECTION 16: OTHER INFORMATION

References: LOLI.

Training advice: This product is limited to the use stated on the packaging, and only for professional use.

Explanation or illustration of abbreviations and abbreviations used in the safety data sheet

TWA - TWA (Time Weighted Average Concentration)

STEL - STEL (Short-Term Exposure Limit)

Upper limit - maximum limit

TSCA - US Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European List of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - Inventory of Existing Chemical Substances in China

KECL - Existing and Evaluated Chemical Substances in Korea

PICCS - Philippine Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Full text of H and EUH phrase	
H317	May cause an allergic skin reaction
H341	Suspected of causing hereditary defects
H411	Toxic to aquatic life with long lasting effects

This information is based on our current knowledge and is intended only to describe the health, safety and environmental requirements of the product. Therefore, it should not be construed as a guarantee of any particular property of the product