ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER, tech-95

Safety Data Sheet ENEA0180

Date of issue: 09/12/2014 Version: 1.0

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

1.1. Product identifier

Product form	:	Substance
Physical state	:	Liquid
Substance name	:	ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER, tech-95
Product code	:	ENEA0180
Formula	:	C8H16O3
Synonyms	:	ALLYL ALCOHOL ETHOXYLATE, METHYL ETHER (EO = 2); 3-(METHOXYETHOXYETHOXY)PROPENE
Chemical family	:	POLYETHER

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
Acute toxicity (oral), Category 4	H302

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 GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H302 - Harmful if swallowed.

Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P264 - Wash hands thoroughly after handling.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 - Ground/bond container and receiving equipment.
P270 - Do not eat, drink or smoke when using this product.
P301+P312 - IF SWALLOWED: Call a doctor if you feel unwell.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Multi-constituent
Name : ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER, tech-95
CAS-No. : 13752-97-1

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Allyloxy(diethylene oxide), methyl ether	(CAS-No.) 13752-97-1	> 95	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302
2,5,8,11-Tetraoxatetradec-13-ene	(CAS-No.) 19685-21-3 (EC-No.) 243-224-6	< 5	Acute Tox. 4 (Oral), H302
Allyl alcohol	(CAS-No.) 107-18-6 (EC-No.) 203-470-7 (EC Index-No.) 603-015-00-6	< 0.01	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400

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/….
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 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 after inhalation : No information available.
Symptoms/effects after skin contact : May cause skin irritation.
Symptoms/effects after eye contact : May cause eye irritation.
Symptoms/effects after ingestion : Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. 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 : Remove ignition sources. Use special care to avoid static electric charges.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper 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

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. 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

Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist. Provide good ventilation in process area to prevent formation of vapour. 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 : Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.

Storage conditions : Keep container tightly closed. May freeze if stored <0°C.

Incompatible materials : Oxidizing agent.

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

Allyl alcohol (107-18-6)		
EU	IOELV TWA (mg/m³)	4.8 mg/m³
EU	IOELV TWA (ppm)	2 ppm
EU	IOELV STEL (mg/m³)	12.1 mg/m³
EU	IOELV STEL (ppm)	5 ppm
Austria	MAK (mg/m³)	4.8 mg/m³
Austria	MAK (ppm)	2 ppm
Austria	MAK Short time value (mg/m³)	12 mg/m³
Austria	MAK Short time value (ppm)	5 ppm
Belgium	Limit value (mg/m³)	4.8 mg/m³
Belgium	Limit value (ppm)	2 ppm
Belgium	Short time value (mg/m³)	9.6 mg/m³
Belgium	Short time value (ppm)	4 ppm
Bulgaria	OEL TWA (mg/m³)	4.8 mg/m³
Bulgaria	OEL TWA (ppm)	2 ppm
Bulgaria	OEL STEL (mg/m³)	12.1 mg/m³
Bulgaria	OEL STEL (ppm)	5 ppm
Cyprus	OEL TWA (mg/m³)	4.8 mg/m³
Cyprus	OEL TWA (ppm)	2 ppm
Cyprus	OEL STEL (mg/m³)	12.1 mg/m³

Allyl alcohol (107-18-6)		
Cyprus	OEL STEL (ppm)	5 ppm
France	VLE (mg/m³)	4.8 mg/m³ (indicative limit)
France	VLE (ppm)	2 ppm (indicative limit)
France	VME (mg/m³)	0.48 mg/m³ (indicative limit)
France	VME (ppm)	0.2 ppm (indicative limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	4.8 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	2 ppm
Gibraltar	Eight hours mg/m3	4.8 mg/m³
Gibraltar	Eight hours ppm	2 ppm
Gibraltar	Short-term mg/m3	12.1 mg/m³
Gibraltar	Short-term ppm	5 ppm
Greece	OEL TWA (mg/m³)	5 mg/m³
Greece	OEL TWA (ppm)	2 ppm
Greece	OEL STEL (mg/m³)	10 mg/m³
Greece	OEL STEL (ppm)	4 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	0.5 ppm
Italy	OEL TWA (mg/m³)	4.8 mg/m³
Italy	OEL TWA (ppm)	2 ppm
Italy	OEL STEL (mg/m³)	12.1 mg/m³
Italy	OEL STEL (ppm)	5 ppm
Latvia	OEL TWA (mg/m³)	4.8 mg/m³
Latvia	OEL TWA (ppm)	2 ppm
USA IDLH	US IDLH (ppm)	20 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m³
USA NIOSH	NIOSH REL (TWA) (ppm)	2 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m³)	10 mg/m³
USA NIOSH	NIOSH REL (STEL) (ppm)	4 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	2 ppm
Spain	VLA-ED (mg/m³)	5 mg/m³ (indicative limit value)
Spain	VLA-ED (ppm)	2 ppm (indicative limit value)
Spain	VLA-EC (mg/m³)	12 mg/m³
Spain	VLA-EC (ppm)	5 ppm
Switzerland	KZGW (mg/m³)	10 mg/m³
Switzerland	KZGW (ppm)	4 ppm
Switzerland	MAK (mg/m³)	5 mg/m³
Switzerland	MAK (ppm)	2 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	4.8 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	12.1 mg/m³
United Kingdom	WEL TWA (mg/m³)	4.8 mg/m³
United Kingdom	WEL TWA (ppm)	2 ppm
United Kingdom	WEL STEL (mg/m³)	9.7 mg/m³
United Kingdom	WEL STEL (ppm)	4 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	4 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	4.8 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	2 ppm
Finland	HTP-arvo (8h) (mg/m³)	1.2 mg/m³
Finland	HTP-arvo (8h) (ppm)	0.5 ppm
Finland	HTP-arvo (15 min)	4.8 mg/m³
Finland	HTP-arvo (15 min) (ppm)	2 ppm
Hungary	AK-érték	4.8 mg/m³
Hungary	CK-érték	12.1 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	4.8 mg/m³

Allyl alcohol (107-18-6)		
Ireland	OEL (8 hours ref) (ppm)	2 ppm
Ireland	OEL (15 min ref) (mg/m3)	12.1 mg/m³
Ireland	OEL (15 min ref) (ppm)	5 ppm
Lithuania	IPRV (mg/m³)	4.8 mg/m³
Lithuania	IPRV (ppm)	2 ppm
Lithuania	TPRV (mg/m³)	12.1 mg/m³
Lithuania	TPRV (ppm)	5 ppm
Malta	OEL TWA (mg/m³)	4.8 mg/m³
Malta	OEL TWA (ppm)	2 ppm
Malta	OEL STEL (mg/m³)	12.1 mg/m³
Malta	OEL STEL (ppm)	5 ppm
Norway	Grenseverdier (AN) (mg/m³)	5 mg/m³
Norway	Grenseverdier (AN) (ppm)	2 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	5 mg/m³
Norway	Grenseverdier (Korttidsverdi) (ppm)	2 ppm
Poland	NDS (mg/m³)	2 mg/m³
Poland	NDSCh (mg/m³)	10 mg/m³
Romania	OEL TWA (mg/m³)	4.8 mg/m³
Romania	OEL TWA (ppm)	2 ppm
Romania	OEL STEL (mg/m³)	12.1 mg/m³
Romania	OEL STEL (ppm)	5 ppm
Slovakia	NPHV (priemerná) (mg/m³)	4.8 mg/m³
Slovakia	NPHV (priemerná) (ppm)	2 ppm
Slovakia	NPHV (Hraničná) (mg/m³)	12.1 mg/m³
Sweden	nivågränsvärde (NVG) (mg/m³)	5 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	2 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	14 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	6 ppm
Canada (Quebec)	VECD (mg/m³)	9.5 mg/m³
Canada (Quebec)	VECD (ppm)	4 ppm
Canada (Quebec)	VEMP (mg/m³)	4.8 mg/m³
Canada (Quebec)	VEMP (ppm)	2 ppm
Australia	TWA (mg/m³)	4.8 mg/m³
Australia	TWA (ppm)	2 ppm
Australia	STEL (mg/m³)	9.5 mg/m³
Australia	STEL (ppm)	4 ppm
Portugal	OEL TWA (mg/m³)	4.8 mg/m³ (indicative limit value)
Portugal	OEL TWA (ppm)	2 ppm (indicative limit value)
Portugal	OEL STEL (mg/m³)	21.1 mg/m³ (indicative limit value)
Portugal	OEL STEL (ppm)	5 ppm (indicative limit value)
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen,skin - potential for cutaneous exposure indicative limit value

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:

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:

NIOSH-certified organic vapor (black cartridge) respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear liquid.
Molecular mass	:	160.21 g/mol
Colour	:	Pale yellow.
Odour	:	No data available
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	:	< 0 °C
Boiling point	:	40 - 60 °C @ 0.5 mm Hg
Flash point	:	> 40 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Flammable liquid and vapour.
Vapour pressure	:	< 0.01 mm Hg @ 20°C
Relative vapour density at 20 °C	:	> 1
Relative density	:	0.916
% Volatiles	:	< 3 %
Solubility	:	Slightly. Soluble in 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

No additional information available

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Heat. Open flame. Sparks.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Organic acid vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if swallowed.

ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER, tech-95 (13752-97-1)	
ATE CLP (oral)	1500 mg/kg bodyweight

Allyl alcohol (107-18-6)	
LD50 oral rat	64 mg/kg
LD50 oral mouse	96 mg/kg
LD50 dermal rabbit	89 mg/kg
LC50 inhalation rat (mg/l)	0.391 mg/l/4h
ATE CLP (oral)	64 mg/kg bodyweight
ATE CLP (dermal)	45 mg/kg bodyweight
ATE CLP (vapours)	1.76 mg/l/4h
ATE CLP (dust,mist)	1.76 mg/l/4h

Allyloxy(diethylene oxide), methyl ether (13752-97-1)	
LD50 oral rat	1500 mg/kg (data for PEG 2-6) analogs
ATE CLP (oral)	1500 mg/kg bodyweight

2,5,8,11-Tetraoxatetradec-13-ene (19685-21-3)	
LD50 oral rat	1500 mg/kg (data for PEG 2-6) analogs
ATE CLP (oral)	1500 mg/kg bodyweight

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : No information available.

Symptoms/effects after skin contact : May cause skin irritation.

Symptoms/effects after eye contact : May cause eye irritation.

Symptoms/effects after ingestion : Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Allyl alcohol (107-18-6)	
LC50 fish 1	0.28 - 0.37 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	0.32 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Allyl alcohol (107-18-6)	
BCF fish 1	(no bioaccumulation expected)
Log Pow	0.17

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

Product/Packaging disposal recommendations : Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.

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) : 1993

UN-No. (IMDG) : 1993

UN-No. (IATA) : 1993

UN-No. (ADN) : 1993

UN-No. (RID) : 1993

14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.

Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S.

Proper Shipping Name (IATA) : Flammable liquid, n.o.s.

Proper Shipping Name (ADN) : FLAMMABLE LIQUID, N.O.S.

Proper Shipping Name (RID) : FLAMMABLE LIQUID, N.O.S.

Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER), 3, III, (D/E)

Transport document description (IMDG) : UN 1993 FLAMMABLE LIQUID, N.O.S. (ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER), 3, III

Transport document description (IATA) : UN 1993 Flammable liquid, n.o.s. (ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER), 3, III

Transport document description (ADN) : UN 1993 FLAMMABLE LIQUID, N.O.S. (ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER), 3, III

Transport document description (RID) : UN 1993 FLAMMABLE LIQUID, N.O.S. (ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER), 3, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3

Danger labels (ADR) : 3

:

IMDG

Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) : 3

:

IATA

Transport hazard class(es) (IATA) : 3

Hazard labels (IATA) : 3

:

ADN

Transport hazard class(es) (ADN) : 3

Danger labels (ADN) : 3

:

RID

Transport hazard class(es) (RID) : 3

Danger labels (RID) : 3

:

14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

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) : F1

Special provisions (ADR) : 274, 601, 640E

Limited quantities (ADR) : 5l

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T4

Portable tank and bulk container special provisions (ADR) : TP1, TP29

Tank code (ADR) : LGBF

Vehicle for tank carriage : FL

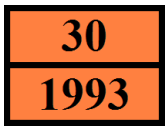
Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Operation (ADR) : S2

Hazard identification number (Kemler No.) : 30

Orange plates :



Tunnel restriction code (ADR) : D/E

- Transport by sea

Special provisions (IMDG) : 223, 274, 955

Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: A

- Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

- Inland waterway transport

Classification code (ADN)	: F1
Special provisions (ADN)	: 274, 601, 640E
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0

- Rail transport

Classification code (RID)	: F1
Special provisions (RID)	: 274, 601, 640E
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30

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

ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER, tech-95 is not on the REACH Candidate List

ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER, tech-95 is not on the REACH Annex XIV List

ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER, tech-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.

ALLYLOXY(DIETHYLENE OXIDE), METHYL ETHER, tech-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

% Volatiles : < 3 %

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

Classification remarks : 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:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

SDS EU (REACH Annex II) - Custom