



SAFETY DATA SHEET

MATERION

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

1.1. Product identifier

Trade name or designation of the mixture	MEG-150 Epoxy
Registration number	-
Document number	F01
Synonyms	None.
Issue date	28-May-2021
Version number	01

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

Identified uses	Manufacture of computer, electronic and optical products, electrical equipment Scientific research and development Other: Manufacture of medical and defense equipment
Uses advised against	Professional uses: Public domain (administration, education, entertainment, services, craftsmen) Consumer uses: Private households (= general public = consumers)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Acute toxicity, dermal	Category 4	H312 - Harmful in contact with skin.
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Skin sensitisation	Category 1B	
Germ cell mutagenicity	Category 2	H341 - Suspected of causing genetic defects.
Carcinogenicity	Category 2	H351 - Suspected of causing cancer.
Specific target organ toxicity - single exposure	Category 1	H370 - Causes damage to organs.

Hazard summary Harmful in contact with skin. Causes skin irritation. Suspected of causing cancer. Suspected of causing genetic defects. May cause an allergic skin reaction. Causes damage to organs.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Methanol, Polyamide, proprietary ingredients, RESORCINOL DIGLYCIDYL ETHER;1,3-BIS(2,3-EPOXYPROPOXY)BENZENE

Hazard pictograms



Signal word Danger

Hazard statements

H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H370	Causes damage to organs.

Precautionary statements

Prevention

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.

P281 Use personal protective equipment as required.
P272 Contaminated work clothing should not be allowed out of the workplace.

Response

P332 + P313 If skin irritation occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P308 + P313 IF exposed or concerned: Get medical advice/attention.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information

For further information, please contact the Product Stewardship Department at +1.216.383.4019.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Polyamide	45 - 75	63428-84-2	-	-	
Classification: -					
RESORCINOL DIGLYCIDYL ETHER;1,3-BIS(2,3-EPOXYPROPOXY) BENZENE	20 - 22	101-90-6 202-987-5	-	603-065-00-9	
Classification: -					
proprietary ingredients	7 - 13	N/A	-	-	
Classification: -					
Methanol	0 - 2	67-56-1 200-659-6	-	603-001-00-X	#
Classification: Flam. Liq. 2;H225, Acute Tox. 3;H301, Acute Tox. 3;H311, Acute Tox. 3;H331, STOT SE 1;H370					
Specific Concentration Limits: STOT SE 1;H370: C >= 10 %					
Other components below reportable levels	≤ 18				

SECTION 4: First aid measures

General information

If you feel unwell, seek medical advice (show the label where possible). Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact

If skin irritation occurs: Get medical advice/attention. Wash off with soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Ingestion

No adverse effects due to ingestion are expected.

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

May cause an allergic skin reaction.

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

Keep victim warm. Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. Treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

SECTION 5: Firefighting measures

General fire hazards

None known.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Water spray. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture None known.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special firefighting procedures In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect and dispose of spillage as indicated in section 13 of the SDS. Flush area with water.

6.4. Reference to other sections For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Obtain special instructions before use. Wear appropriate personal protective equipment. Do not eat, drink or smoke when using the product. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities Store in accordance with local/regional/national/international regulation.

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value	Form
Methanol (CAS 67-56-1)	MAK	260 mg/m ³ 200 ppm	
	STEL	1040 mg/m ³ 800 ppm	
Titanium oxide (TiO ₂) (CAS 13463-67-7)	MAK	5 mg/m ³	Respirable dust.
	STEL	10 mg/m ³	Respirable dust.

Belgium. Exposure Limit Values

Components	Type	Value
Methanol (CAS 67-56-1)	STEL	333 mg/m ³ 250 ppm
	TWA	266 mg/m ³ 200 ppm
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	10 mg/m ³

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value	Form
Methanol (CAS 67-56-1)	TWA	260 mg/m ³ 200 ppm	
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	10 mg/m ³	Respirable dust.

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value	Form
Methanol (CAS 67-56-1)	MAC	260 mg/m ³ 200 ppm	
Titanium oxide (TiO ₂) (CAS 13463-67-7)	MAC	4 mg/m ³ 10 mg/m ³	Respirable dust. Total dust.

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	10 mg/m ³

Czech Republic. OELs. Government Decree 361

Components	Type	Value	Form
Methanol (CAS 67-56-1)	Ceiling TWA	1000 mg/m ³ 250 mg/m ³	
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	5 mg/m ³	Dust.

Denmark. Exposure Limit Values

Components	Type	Value
Methanol (CAS 67-56-1)	TLV	260 mg/m ³ 200 ppm
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TLV	6 mg/m ³

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended

Components	Type	Value
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	5 mg/m ³

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
Methanol (CAS 67-56-1)	STEL TWA	350 mg/m ³ 250 ppm 250 mg/m ³ 200 ppm

Finland. Workplace Exposure Limits

Components	Type	Value	Form
Methanol (CAS 67-56-1)	STEL TWA	330 mg/m ³ 250 ppm 270 mg/m ³ 200 ppm	
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	10 mg/m ³	Dust.

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
Methanol (CAS 67-56-1)	VLE	1300 mg/m ³

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
		1000 ppm
	VME	260 mg/m3
		200 ppm
Titanium oxide (TiO2) (CAS 13463-67-7)	VME	10 mg/m3

Regulatory status: Indicative limit (VL)

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
Methanol (CAS 67-56-1)	TWA	270 mg/m3	
		200 ppm	
Titanium oxide (TiO2) (CAS 13463-67-7)	TWA	0,3 mg/m3	Respirable fraction.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Methanol (CAS 67-56-1)	AGW	270 mg/m3	
		200 ppm	
Titanium oxide (TiO2) (CAS 13463-67-7)	AGW	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value	Form
Methanol (CAS 67-56-1)	STEL	325 mg/m3	
		250 ppm	
	TWA	260 mg/m3	
		200 ppm	
Titanium oxide (TiO2) (CAS 13463-67-7)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Inhalable

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value	Form
Methanol (CAS 67-56-1)	TWA	260 mg/m3	
Titanium oxide (TiO2) (CAS 13463-67-7)	TWA	6 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m3
		200 ppm
Titanium oxide (TiO2) (CAS 13463-67-7)	TWA	6 mg/m3

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
Methanol (CAS 67-56-1)	TWA	260 mg/m3	
		200 ppm	
Titanium oxide (TiO2) (CAS 13463-67-7)	TWA	4 mg/m3	Respirable dust.
		10 mg/m3	Total inhalable dust.

Italy. Occupational Exposure Limits

Components	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m3

Italy. Occupational Exposure Limits Components

Type	Value
	200 ppm
Titanium oxide (TiO ₂) (CAS 13463-67-7)	10 mg/m ³

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment Components

Type	Value
Methanol (CAS 67-56-1)	260 mg/m ³ 200 ppm
Titanium oxide (TiO ₂) (CAS 13463-67-7)	10 mg/m ³

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements Components

Type	Value
Methanol (CAS 67-56-1)	260 mg/m ³ 200 ppm
Titanium oxide (TiO ₂) (CAS 13463-67-7)	5 mg/m ³

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A Components

Type	Value
Methanol (CAS 67-56-1)	260 mg/m ³ 200 ppm

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V) Components

Type	Value
Methanol (CAS 67-56-1)	260 mg/m ³ 200 ppm

Netherlands. OELs (binding) Components

Type	Value
Methanol (CAS 67-56-1)	133 mg/m ³

Norway. Administrative Norms for Contaminants in the Workplace Components

Type	Value
Methanol (CAS 67-56-1)	130 mg/m ³ 100 ppm
Titanium oxide (TiO ₂) (CAS 13463-67-7)	5 mg/m ³

Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817 Components

Type	Value	Form
Methanol (CAS 67-56-1)	300 mg/m ³ 100 mg/m ³	
Titanium oxide (TiO ₂) (CAS 13463-67-7)	30 mg/m ³ 10 mg/m ³	Inhalable fraction.

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266) Components

Type	Value
Methanol (CAS 67-56-1)	260 mg/m ³ 200 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796) Components

Type	Value
Methanol (CAS 67-56-1)	250 ppm 200 ppm

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	10 mg/m ³

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m ³ 200 ppm
Titanium oxide (TiO ₂) (CAS 13463-67-7)	STEL	15 mg/m ³
	TWA	10 mg/m ³

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m ³ 200 ppm
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	5 mg/m ³

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value	Form
Methanol (CAS 67-56-1)	TWA	260 mg/m ³ 200 ppm	
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	10 mg/m ³	Inhalable fraction.
		1,25 mg/m ³	Respirable fraction.

Spain. Occupational Exposure Limits

Components	Type	Value
Methanol (CAS 67-56-1)	TWA	266 mg/m ³ 200 ppm
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	10 mg/m ³

Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

Components	Type	Value	Form
Methanol (CAS 67-56-1)	STEL	350 mg/m ³ 250 ppm	
	TWA	250 mg/m ³ 200 ppm	
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	5 mg/m ³	Total dust.

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
Methanol (CAS 67-56-1)	STEL	1040 mg/m ³ 800 ppm	
	TWA	260 mg/m ³ 200 ppm	
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	3 mg/m ³	Respirable dust.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Methanol (CAS 67-56-1)	STEL	333 mg/m ³ 250 ppm	
	TWA	266 mg/m ³ 200 ppm	

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Titanium oxide (TiO ₂) (CAS 13463-67-7)	TWA	4 mg/m ³	Respirable.
		10 mg/m ³	Inhalable

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU

Components	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m ³
		200 ppm

Biological limit values**Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended)**

Components	Value	Determinant	Specimen	Sampling Time
Methanol (CAS 67-56-1)	7 mg/g	Methanol	Creatinine in urine	*
	24,7 mmol/mol	Methanol	Creatinine in urine	*

* - For sampling details, please see the source document.

Czech Republic. Limit Values for Indicators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.

Components	Value	Determinant	Specimen	Sampling Time
Methanol (CAS 67-56-1)	15 mg/l	Methanol	Urine	*
	0,47 mmol/l	Methanol	Urine	*

* - For sampling details, please see the source document.

France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065))

Components	Value	Determinant	Specimen	Sampling Time
Methanol (CAS 67-56-1)	15 mg/l	Méthanol	Urine	*

* - For sampling details, please see the source document.

Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
Methanol (CAS 67-56-1)	30 mg/l	Methanol	Urine	*

* - For sampling details, please see the source document.

Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2

Components	Value	Determinant	Specimen	Sampling Time
Methanol (CAS 67-56-1)	20 mg/g	Methanol	Creatinine in urine	*
	30 mg/l	Methanol	Urine	*

* - For sampling details, please see the source document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4

Components	Value	Determinant	Specimen	Sampling Time
Methanol (CAS 67-56-1)	15 mg/l	Metanol	Urine	*

* - For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time
Methanol (CAS 67-56-1)	30 mg/l	Methanol	Urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

Exposure guidelines

EU Exposure Limit Values: Skin designation

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information

Wear chemical protective equipment that is specifically recommended by the manufacturer. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection

Wear appropriate chemical resistant gloves.

- Other

Avoid contact with the skin. Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Keep away from food and drink. Wash hands after handling and before eating. Observe any medical surveillance requirements. When using do not smoke. Contaminated work clothing should not be allowed out of the workplace. When using, do not eat, drink or smoke.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state

Solid.

Form

Film.

Colour

White.

Odour

None.

Odour threshold

Not applicable.

pH

Not applicable.

Melting point/freezing point

-97,8 °C (-144,04 °F) estimated / Not applicable.

Initial boiling point and boiling range

Not applicable.

Flash point

Not applicable.

Evaporation rate

Not applicable.

Flammability (solid, gas)

None known.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

Not applicable.

Flammability limit - lower (%) temperature

Not applicable.

Flammability limit - upper (%)

Not applicable.

Flammability limit - upper (%) temperature

Not applicable.

Explosive limit - lower (%)

Not applicable.

Explosive limit - lower (%) temperature	Not applicable.
Explosive limit – upper (%)	Not applicable.
Explosive limit - upper (%) temperature	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not applicable.
Solubility(ies)	
Solubility (water)	Negligible.
Partition coefficient (n-octanol/water)	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not applicable.
Viscosity	Not applicable.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2. Other information

Density 1,36 g/cm³ estimated

SECTION 10: Stability and reactivity

10.1. Reactivity	Strong oxidising agents.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	None.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Ammonia. Nitrogen oxides (NO _x).

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system.
Skin contact	Toxic in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation. Direct contact with eyes may cause temporary irritation.
Ingestion	Harmful if swallowed.

Symptoms May cause an allergic skin reaction.

11.1. Information on toxicological effects

Acute toxicity	Harmful in contact with skin.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation. Direct contact with eyes may cause temporary irritation.
Respiratory sensitisation	Not a respiratory sensitizer.
Skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Suspected of causing genetic defects.
Carcinogenicity	Suspected of causing cancer.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

IARC Monographs. Overall Evaluation of Carcinogenicity

RESORCINOL DIGLYCIDYL ETHER;1,3-BIS(2,3-EPOXYPROPOXY)BENZENE (CAS 101-90-6) 2B Possibly carcinogenic to humans.

Reproductive toxicity	Not classified.
Specific target organ toxicity - single exposure	Causes damage to organs.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Mixture versus substance information	Not available.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

Product	Species	Test Results
MEG-150 Epoxy		
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Daphnia
Fish	LC50	Fish
		61866,1875 mg/l, 48 hours estimated
		62590,7539 mg/l, 96 hours estimated

Components	Species	Test Results
Methanol (CAS 67-56-1)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Water flea (Daphnia magna)
Fish	LC50	Fathead minnow (Pimephales promelas)
		> 10000 mg/l, 48 hours
		> 100 mg/l, 96 hours

12.2. Persistence and degradability Not available.

12.3. Bioaccumulative potential Not available.

Partition coefficient n-octanol/water (log Kow)

Methanol -0,77

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil Not available.

12.5. Results of PBT and vPvB assessment This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

12.6. Other adverse effects Not available.

12.7. Additional information

Estonia Dangerous substances in soil Data

Methanol (CAS 67-56-1) Chemical pesticides (As the total sum of the active substances) 0,5 mg/kg
 Chemical pesticides (As the total sum of the active substances) 20 mg/kg
 Chemical pesticides (As the total sum of the active substances) 5 mg/kg

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information Dispose of contents/container in accordance with local/regional/national/international regulations. Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Methanol (CAS 67-56-1)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

RESORCINOL DIGLYCIDYL ETHER;1,3-BIS(2,3-EPOXYPROPOXY)BENZENE (CAS 101-90-6)

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Methanol (CAS 67-56-1)

Other regulations

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended.

National regulations

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended. According to Directive 92/85/EEC as amended, pregnant women should not work with the product, if there is the least risk of exposure.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

CAS: Chemical Abstract Service.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
MARPOL: International Convention for the Prevention of Pollution from Ships.
STEL: Short term exposure limit.
TWA: Time Weighted Average.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CEN: European Committee for Standardization.
PBT: Persistent, bioaccumulative, toxic.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
vPvB: Very persistent and very bioaccumulative.
MAC: Maximum Allowed Concentration.
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).
TLV: Threshold Limit Value.
VLE: Exposure Limit Value.
VME: Exposure Average Value.
IBC: Intermediate Bulk Container.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculator methods and test data, if available.

Training information

Not available.

Further information

Transportation Emergency
Call Chemtrec at:
International: 703.741.5970
Spain: 900.868.538
Switzerland: 0800.564.402
Chemtrec's toll free, mobile-enabled number in Germany – 0800 1817059

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