

**ISOLATOR PRIMER ISOLATING EPOXY PRIMER WITH ANTI-CORROSION ADDITIVES**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**ISOLATOR PRIMER ISOLATING EPOXY PRIMER WITH ANTI-CORROSION ADDITIVES**

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

Epoxy primer (component A) for application with the use of a spray gun. For professional use in car refinishing.

**1.3. Data of the supplier Safety Data Sheet**

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**1.4. Emergency telephone number** +48 61 810-99-09 (from 7.00 to 15.00)

**SECTION 2: HAZARD IDENTIFICATION**

**2.1. Classification of the substance or mixture**

The mixture was classified as dangerous pursuant to current regulations - see section 15. Harmful mixture.

**Classification 1272/2008/WE:**

Irritating effect on skin, category 2 (Skin Irrit.2). Causes skin irritation.

Sensitisation — Skin, category 1 (Skin Sens. 1). May cause an allergic skin reaction.

Serious eye damage/eye irritation, Hazard Category 2 (Eye Irrit. 2). Causes serious eye irritation.

Hazardous to the aquatic environment — Chronic Hazard, Category 3 (Aquatic Chronic 3). Harmful to aquatic life with long lasting effects.

Liquid, flammable substances, category 2 (Flam. Liq. 2). Highly flammable liquid and vapour.

**2.2. Label elements:**

Contains:

Xylene.

Contains epoxy constituents. May produce an allergic reaction.

Pictograms:



Signal word:

Danger.

H225

Highly flammable liquid and vapour.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H412

Harmful to aquatic life with long lasting effects.

Causes serious eye irritation.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261

Avoid breathing vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P312

Call a doctor if you feel unwell.

**2.3. Other hazards**

No available data.

**ISOLATOR PRIMER ISOLATING EPOXY PRIMER WITH ANTI-CORROSION ADDITIVES**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances**

Not applicable.

**3.2. Mixtures**

**Product identification**

**ISOLATOR PRIMER ISOLATING EPOXY PRIMER WITH ANTI-CORROSION ADDITIVES**

Substance name	Identification numbers	Classification and marking	Concentration [wt%]
epoxy resin (number average molecular weight ≤ 700)	WE: 500-033-5 CAS: 25068-38-6 Index no.: 603-074-00-8 Registration no.: 01-2119456619-26-XXXX	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	14.5-22.5
xylene	EC: 215-535-7 CAS: 1330-20-7 Index no.: 601-022-00-9 Registration no.: 01-2119488216-32-XXXX	Flam. Liq. 3; H226; Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit.2; H315	8-18
Isobutyl methyl ketone	WE: 203-550-1 CAS: 108-10-1 Index no.: 606-004-00-4 Registration no.: 01-2119473980-30-XXXX	Flam. Liq. 2; H225 Acute Tox. 4; H332 Eye Irrit. 2; H319 STOT SE 3; H335 EUH066	10-13
Isopropanol	WE: 200-661-7 CAS: 67-63-0 Index no.: 603-117-00-0 Registration no.: 01-2119457558-25-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	<1
Butyl acetate	WE: 204-658-1 CAS: 123-86-4 Index no.: 607-025-00-1 Registration no.: 01-2119485493-29-XXXX	Flam. Liq. 3; H226; STOT SE 3; H336 EUH066	<2
Toluene	WE: 203-625-9 CAS: 108-88-3 Index no.: 601-021-00-3 Registration no.: 01-2119471310-51-XXXX	Flam. Liq. 2 H225 Repr. 2; H361d Asp. Tox. 1; H304 STOT RE 2; H373 Skin Irrit. 2; H315 STOT SE 3; H336	<2.9
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	WE: 927-510-4 CAS: -- Index no.: -- Registration no.: 01-2119475515-33-XXXX	Flam.liq.2 H225 STOT SE 3 H336 Skin Irrit. 2 H315 ASP. Tox.1; H304 Aquatic Chronic 2 H411	<1
Hydrocarbons, C6, isoalkanes, <5% n-hexane	WE: 931-254-9 CAS: -- Index no.: -- Registration no.: 01-2119484651-34-XXXX	Flam.liq.2 H225 STOT SE 3 H336 Skin Irrit. 2 H315 ASP. Tox.1; H304 Aquatic Chronic 2 H411	<0.6

Full text of the phrases identifying the types of hazards is provided in section 16.

## ISOLATOR PRIMER ISOLATING EPOXY PRIMER WITH ANTI-CORROSION ADDITIVES

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures:

General information:

See section 11 of the Safety Data Sheet.

Inhalation:

Take the victim outside into fresh air, ensure quiet surrounding; in case of no breath, apply artificial respiration. Call a doctor.

Skin:

Take off contaminated clothing. Rinse contaminated skin with plenty of lukewarm water for about 15 minutes. If irritation persists, consult a doctor.

Eyes:

Rinse immediately with plenty of lukewarm water for about 15 minutes, avoid strong water jet-risk of cornea damage, consult a doctor.

Alimentary tract:

Do not provoke vomiting (choking risk). Rinse mouth with water. If conscious, administer 1-2 glasses of warm water. Call a doctor.

Person giving first aid should wear medical gloves.

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

Fumes might cause drowsiness and vertigo. Repeated exposure might cause skin dryness or rupture.

#### 4.3. Indications of any immediate medical attention and special treatment needed

Special measures allowing for specialist and immediate aid should be available in the place of work.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Powder, foam resistant to alcohols, carbon dioxide, water mist.

#### 5.2. Special hazards arising from the substance or mixture

Fire may cause generation of carbon dioxide and other toxic gases.

#### 5.3. Advice for firefighters

Fire-fighting teams should wear self-contained breathing apparatus and light protective clothing. Cool adjacent tanks by spraying water at a safe distance.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

For persons not being the members of aid giving staff:

Eliminate sources of ignition. Ensure sufficient ventilation of the room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Personal protection measures - section 8 of the Safety Data Sheet.

For persons giving aid:

Persons giving aid should wear protective clothing made of coated, impregnated fabric, protective gloves (viton), tight protective glasses and breathing apparatus: gas mask with A type absorber.

#### 6.2. Environmental precautions

Prevent leakage to the sewage system, surface waters, underground waters and soil.

#### 6.3. Methods and materials for containment and cleaning up

Stop the leakage (close the liquid inflow, seal), place damaged container in an emergency container, remove the liquid mechanically and place it in an emergency container. In case of large leakage, embank the area. In case of small amounts, collect with the use of a binding agent (e.g. mica, diatomaceous earth, sand).

#### 6.4. Reference to other sections

Personal protection measures - see section 8 of the Safety Data Sheet.

Disposal considerations - see section 13 of the Safety Data Sheet.

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**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Keep away from heat and fire sources. Prevent leakage to the sewage system, surface waters, underground waters and soil. Use in well ventilated rooms. Do not smoke. Do not inhale fumes. Avoid contact with skin and eyes. Take precaution measures against electrostatic discharge. Use personal protection measures - section 8 of the Safety Data Sheet.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly sealed, original containers. Do not store near large amounts of organic peroxides and other strong oxidants. Take precaution measures against electrostatic discharge. Store in cool, well ventilated rooms. Protect from low temperatures, the influence of sunrays and heat sources.

**7.3. Special end use(s)**

Primers (component A) for application with a spray gun. For professional use in car refinish taking into consideration the information included in subsections 7.1 and 7.2.

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

**8.1. Control parameters**

Xylene CAS 1330-20-7 according to:

- *TRGS 900*: MAK: 100ppm, MAK: 440 mg/m<sup>3</sup>, 2(II),DFG, H
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 50 mg/m<sup>3</sup>, 220mg/m<sup>3</sup>, STEL 100ppm, 441 mg/m<sup>3</sup>, Sk, BMGV

Isobutyl methyl ketone CAS 108-10-1 according to:

- *TRGS 900*: MAK: 20 ppm, MAK: 83 mg/m<sup>3</sup>, 2(I) DFG, H, Y
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 50 ppm, 208 mg/m<sup>3</sup>, STEL 100ppm, 416 mg/m<sup>3</sup>,Sk, Bmgv

Butyl acetate CAS 123-86-4 according to:

- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 150 ppm, 724 mg/m<sup>3</sup>, STEL 200ppm, 966 mg/m<sup>3</sup>

Toluene CAS 108-88-3 according to:

- *TRGS 900*: MAK: 50ppm, MAK: 190 mg/m<sup>3</sup>, 4(II),DFG, H, Y
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 50 ppm, 191 mg/m<sup>3</sup>, STEL 100ppm, 384 mg/m<sup>3</sup>, Sk

Isopropanol CAS 67-63-0 according to:

- *TRGS 900*: MAK: 200ppm, MAK: 500 mg/m<sup>3</sup>, 2(II),DFG, Y
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 400 mg/m<sup>3</sup>, 999mg/m<sup>3</sup>, STEL 500ppm, 1250 mg/m<sup>3</sup>

**8.2. Exposure control**

Respiratory tract protection:

Gas mask with A type absorber (EN 141).

Hand protection:

Protective gloves PN-EN 374-3 (viton, 0.7 mm thick, penetration time > 480 min, nitrile rubber, 0,4 mm thick, penetration time > 30 min)

Eye protection:

Tight protective glasses.

Skin protection:

Proper protective clothing (coated impregnated fabrics).

Workplace:

Fixed fume extraction and general ventilation.

Environmental exposure control:

Prevent leakage to the sewage system, surface waters, underground waters and soil.

**ISOLATOR PRIMER ISOLATING EPOXY PRIMER WITH ANTI-CORROSION ADDITIVES**

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

Physical state	viscous liquid
Colour	grey
Odour	strong, powerful
Odour threshold	0.9-9 mg/m <sup>3</sup> (Xylene)
pH	not applicable
Melting/freezing point	not applicable
Boiling point	>63°C
Flash point	14°C
Autoignition point	Approx. 460°C 9 (Isobutyl methyl ketone)
Breakdown point	not specified
Evaporation rate	not specified
Flammability (solid, gas)	not applicable
Explosion limits	% bottom: 1.1 vol% top: 8.0 vol% (xylene)
Vapour pressure	9 hPa (20°C)(xylene)
Vapour density (with regard to air)	3.66 (xylene)
Density	about 1.4 g/cm <sup>3</sup> (20°C)
Solubility (in water)	insoluble
N-octanol/water division ratio	3.12-3.2 (xylene)
Solubility (in water)	insoluble
N-octanol/water division ratio	3.12-3.2 (xylene)
Viscosity (rotation rheometer)	400 ÷ 2000 mPas
Explosive properties	not applicable
Oxidizing properties	not applicable

**9.2 Other informations**

No available data.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

The product is not reactive under normal conditions.

**10.2. Chemical stability**

The product remains stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Carbon monoxide and other toxic gases are generated as a result of thermal decomposition.

**10.4. Conditions to avoid**

Highly flammable product. Avoid contact with strongly oxidizing agents, peroxides, strong acids and bases. Avoid generation and accumulation of static electricity. Protect from the influence of sunrays and heat sources.

**10.5. Incompatible materials**

Avoid contact with large amounts of organic peroxides, strong acids and bases as well as other strong oxidants.

**10.6. Hazardous decomposition products**

Carbon monoxide and other toxic gases are generated as a result of thermal decomposition.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

**a) Acute toxicity**

Xylene	LD <sub>50</sub> (rat, ingestion)	4300 mg/kg
	LC <sub>50</sub> (rat, inhalation)	5000 ppm/4h
	LD <sub>50</sub> (rabbit, skin)	1700 mg/kg
Butyl acetate	LD <sub>50</sub> (rat, ingestion)	10768 mg/kg
	LC <sub>50</sub> (rat, inhalation)	390 ppm/4h
	LD <sub>50</sub> (rabbit, skin)	17600 mg/kg
Isobutyl methyl ketone	LD <sub>50</sub> (rat, ingestion)	2080mg/kg
	LC <sub>50</sub> (rat, inhalation)	100gm/m <sup>3</sup>

**ISOLATOR PRIMER ISOLATING EPOXY PRIMER WITH ANTI-CORROSION ADDITIVES**

**SECTION 11: TOXICOLOGICAL INFORMATION**

**a) Acute toxicity**

Toluene	LD <sub>50</sub> (rat, ingestion)) LC <sub>50</sub> (rat, inhalation)	5000 mg/kg 15320 mg/m <sup>3</sup> /4h
Isopropanol	LD <sub>50</sub> (rat, ingestion) LC <sub>50</sub> (rat, inhalation)	5045mg/kg 16000ppm/8h
Epoxy resin (number average molecular weight ≤ 700)	LD <sub>50</sub> (rat ,skin)	11400 mg/kg

**b) Skin corrosion/irritation**

Causes skin irritation.

**c) serious eye damage/irritation**

Causes serious eye irritation.

**d) respiratory or skin sensitisation**

May cause skin sensitization.

**e) germ cell mutagenicity**

The mixture has not been classified as mutagenic. No available data confirming the hazard class.

**f) carcinogenicity**

The mixture has not been classified as cancerogenic. No available data confirming the hazard class.

**g) reproductive toxicity**

The mixture has not been classified as having any harmful effect on reproduction. No available data confirming the hazard class.

**h) STOT-single exposure**

No available data confirming the hazard class.

**i) STOT- repeated exposure**

No available data confirming the hazard class.

**j) aspiration hazard**

No available data confirming the hazard class.

**Exposure methods:**

Inhalation: May cause irritating effect.

Skin: Causes skin irritation. May cause skin sensitization.

Eyes: Causes serious eye irritation.

If swallowed, the substance may cause irritation of the alimentary tract, nausea, vomiting and diarrhoea.

**Poisoning symptoms:**

Headache and vertigo, fatigue, decreased muscle power, drowsiness and, in exceptional instances, loss of consciousness.

Fumes might cause drowsiness and vertigo. Repeated exposure might cause skin dryness or rupture.

**SECTION 12: ECOLOGICAL INFORMATION**

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

**12.1. Toxicity**

Xylene	Daphnia magna EC50 (48hours.) > 7.4 mg/l Evaluation indicator of acute toxicity for mammals: 3; for fish: 4.1 Number in the catalogue of water hazardous substances: 206 Water hazard class: 2
n-butyl acetate	Number in the catalogue of water hazardous substances: 42 Water hazard class: 1
Toluene	Daphnia magna /EC50 (48h) 11 mg/l Acute toxicity for fish LC50 13mg/l/96 h Number in the catalogue of water hazardous substances: 194 Water hazard class: 2

**ISOLATOR PRIMER ISOLATING EPOXY PRIMER WITH ANTI-CORROSION ADDITIVES**

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

Isopropanol

Daphnia magna /EC50 (48h.) > 100 mg/l  
Acute toxicity for fish LC50 100 mg/l/48 h  
Number in the catalogue of water hazardous substances: 135  
Water hazard class:: 1

Isobutyl methyl ketone

Acute toxicity for fish 100 mg/l <EC50 =< 1000 mg/l

**12.2. Persistence and degradability**

No available data.

**12.3. Bioaccumulative potential**

No available data.

**12.4. Mobility in soil**

Product very poorly soluble in water.

**12.5. Results of PBT and vPvB assessment**

No available data.

**12.6. Other adverse effects**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

The product must be disposed of in compliance with proper local and statutory regulations with regard to waste - see point 15. The product should be disposed with entities which are authorised to conduct activity in the area of collecting, recycling or utilization of waste.

Product remains:

Do not dispose the product into the sewage system. Do not store with communal waste. Remove the remains of the mixture carefully and harden with the use of the proper B component, (waste) hardener included in the set. The hardened product is not harmful waste.

**CAUTION:** harden the remains in small portions and keep them away from flammable products. High amounts of heat are released during chemical reaction!

Contaminated container:

A container containing unhardened remains of the product is harmful waste. Do not store with communal waste. The contaminated container should be disposed with entities which are authorized to collection, recover or disposal.

**SECTION 14: TRANSPORT INFORMATION**

	ADR/RID	IMO/IMGD	IATA-DGR
<b>14.1. UN number</b>	1263	1263	1263
<b>14.2. UN proper shipping name</b>		PAINT	
<b>14.3. Transport hazard class(es)</b>	3	3	3
<b>14.4. Packaging group</b>	II	II	II
<b>14.5. Environmental hazards</b>	none	none	none
<b>14.6. Special precautions for user</b>			
Do not transport together with materials of class 1 (excluding materials of class 1.4S) and some materials of classes 4.1 and 5.2. During transport, avoid direct contact with materials of classes 5.1 and 5.2. Do not use an open flame and do not smoke.			
<b>14.7. Transport in bulk according to Annex II of MARPOL Convention and the IBC Code</b>			
Not applicable.			

**ISOLATOR PRIMER ISOLATING EPOXY PRIMER WITH ANTI-CORROSION ADDITIVES**

**SECTION 15: REGULATORY INFORMATION**

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

REACH - Regulation 2006/1907/WE  
CLP - Regulation 1272/2008/WE

**15.2. Chemical safety assessment**

Not performed

**SECTION 16: OTHER INFORMATION**

**Relevant hazard statements listed in Sections 2 to 15:**

Flam.Liq.3 Liquid, flammable substances, category 3  
H226 Flammable liquid and vapour.  
STOT SE 3 Specific target organ toxicity — single exposure, category 3  
H335 May cause respiratory irritation.  
H336 Might cause drowsiness or or dizziness.  
Acute Tox. 4. Acute toxicity, category 4  
H302 Harmful if swallowed.  
H332 Harmful if inhaled.  
H312 Harmful in contact with skin.  
Skin Irrit. 2 Caustic/irritating effect on skin, category 2  
H315 Causes skin irritation.  
Skin Sens. 1 Skin sensation, category 1.  
H317 May cause an allergic skin reaction.  
Eye Dam. 1 Serious eye damage  
H318 Causes serious eye damage.  
Eye Irrit. 2 Eye irritation, category 2.  
H319 Causes serious eye irritation.  
Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, category 2  
H411 Toxic to aquatic life with long lasting effects.  
Repr. 2 Reprtoksicity, category 2  
H361d Suspected of damaging the unborn child  
Asp. Tox. 1 Aspiration hazard, category 1  
H304 May be fatal if swallowed and enters airways.  
STOT RE 2 Specific target organ toxicity — repeated exposure  
H373 May cause damage to organs  
EUH066 Repeated exposure may cause skin dryness or cracking.

**Explanation of the abbreviations and acronyms used in the Safety Data Sheet**

**CAS no** – numerical symbol ascribed to a chemical substance by the American organization, Chemical Abstracts Service (CAS).

**EC no.** – a number ascribed to a chemical substance in the European List of Notified Chemical Substances (ELINCS) or a number in the European Inventory of Existing Chemical Substances mention in "No-longer polymers" publication (EINECS)

**MPC** – maximum permissible concentration of health hazardous substances in the work place

**MPIC** – maximum permissible instantaneous concentration

**MPCC** - maximum permissible ceiling concentration

**PCB** - permissible concentration in biological material

**UN number** - four-digit identification number of a substance, preparation or product pursuant to UN model regulations

**ADR** – European agreement on international road transport of hazardous materials

**IMO** – International Marine Organization

**RID** – Regulations for international rail transport of hazardous materials

**IMDG-Code** – International marine code for hazardous materials

**ICAO /IATA** – Technical Instructions for Safe Air Transport of Hazardous Materials

The information is based on our current knowledge. This document shall not constitute warranty for product characteristics. Classification was made by calculation method according to the classification rules contained in Regulation 1272/2008/WE.

**Other sources of information**

**ECHA** European Chemicals Agency

**TOXNET** Toxicology Data Network

**IUCLID** International Uniform Chemical Information Database

Changes: General update

Trainings:

With regard to handling, health and safety while working with hazardous substances and mixtures.

With regard to transport of hazardous goods pursuant to the requirements of ADR regulations.

Issued by: NOVOL Sp. z o.o.