

Safety Data Sheet according to Regulation (EC) No. 1907/2006



Product: MIG-ESP® Primer
Created on: 03.09.2018
Revised on: 03.09.2018
Valid from: 01.10.2018
Version: 2.0 **Replace version:** 1.0

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

1.1 Product identifier

Substance name/trade name: MIG-ESP® Primer

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

Relevant identified uses: Adhesion promoter and deep penetrating primer

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier

MIG Material Innovative Gesellschaft mbH

Street/postbox

Am Grarock 3

Country/postcode/city

D-33154 Salzkotten

Technical contact point

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1.4 Emergency telephone number

Poisons Information Centre

University Hospital Bonn

+49(0)22819240

Section 2: Potential hazards

2.1 Classification of the substances/mixtures

Classification according to Regulation (EC) No. 1272/2008:

The product is not classified according to the CLP regulation.

2.2 Label elements

Labeling according to Regulation (EC) No. 1272/2008:

Pictogramm: not applicable

Signal word: not applicable

Hazardous component(s) for labelling:

Not applicable

Hazard warnings:

Not applicable

Safety instructions:

P101: If medical advice is required, provide packaging or identification label.

P102: Keep out of the reach of children.

P103: Read identification label before use.

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

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Additional information

EUH208

: Contains 2-octyl-2H-isothiazol-3-one. May cause allergic reactions. Safety data sheet available on request.

2.3 Other hazards:

Inhalation of aerosol mist may cause damage to health.
Product hydrolyzed to form methanol (CAS No 67-56-1). Methanol is toxic by inhalation, Ingestion and contact with skin. Methanol damages the organs. Methanol is highly flammable.
Product hydrolyzed to form ethanol (CAS No 64-17-5). Ethanol is highly flammable.

Section 3: Composition/information on ingredients

3.2 Mixtures

Substance name: Isotridecyl polyglycol ether
CAS No.: 9043-30-5
Portion: <1 %
Classification according to Regulation (EC) No. 1272/2008:
Eye Dam. 1; H318, Acute Tox. 4 oral; H302

(The wording of the listed risk phrases can be found in Section 16)

Section 4: First aid measures

4.1 Description of first aid measures

General information:

In the case of an accident or sickness, ask for medical advice immediately

After inhalation

Supply fresh air.

After contact with skin

Wash off with plenty of water or water and soap. Seek medical advice in case of visible skin changes or discomfort.

After contact with eyes

Rinse immediately with plenty of water. If irritation persists, seek medical advice.

After ingestion

Drink plenty of water in small portions. Do not induce vomiting.

4.2 Most important acute and delayed symptoms and effects

No further relevant information available.

4.3 Information on immediate medical help or special treatment

No further relevant information available.

Section 5: Fire-fighting measures

5.1 Extinguishing agent

Suitable: Use fire extinguishing measures that suits the environment.

Unsuitable: Water with full jet

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Alcohols, nitrous gases. Do not allow extinguishing water to enter drains, soil or watercourses.

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5.3 Information for firefighters

Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment (see Section 8). Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. If material has been released, beware of slip hazards.

6.2 Environmental measures

Do not enter into drains or watercourses. Contain leaked liquid with suitable material (e.g. soil). Retain contaminated water/extinguishing water.

6.3 Methods and material for containment and cleaning up:

Collect mechanically and dispose of properly. Collect with liquid-binding material, e.g. diatomaceous earth, and dispose of properly. Contain the spread of large quantities and pump these off into suitable receptacles. Remove any remaining slippery deposits with detergent / soap solution or other biodegradable cleaner.

6.4 Reference to other sections

Relevant information in other sections should be noted. This applies in particular to information on personal protective equipment (Section 8) and disposal (Section 13).

Section 7: Handling and storage

7.1 Precautions for safe handling

Provide good room and workplace ventilation. Spilled substance causes increased risk of slipping. Store in well closed containers in a cool and dry place.

Measures to protect against fire and explosions

Adhere to general rules of preventative fire protection. Product may release ethanol and methanol. In enclosed spaces, vapours can form mixtures with air, which cause explosion in the presence of ignition sources as well as in empty, uncleaned containers. Take measures against electrostatic charging. Keep away from ignition sources and do not smoke. Cool containers at risk with water.

7.2 Conditions for safe storage, including any incompatibilities

Information on storage conditions

Protect from frost.

Recommended storage temperature: +5 to +30 °C

Requirements for storage rooms and containers

Keep container tightly closed. Protect from direct sunlight.

Storage class: LGK 12 Non-combustible liquids

7.3 Specific end uses

Industry and sector specific guidelines

No further relevant information available.

Section 8: Exposure controls/Personal protection

8.1 Parameters to be monitored

Occupational exposure limit values and/or biological limit values

Occupational exposure limit values (OEL)

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Substance name: Ethanol; CAS-No.: 64-17-5
Specification: Occupational exposure limit values according to TRGS 900 (status 05/2018)
Value: 200ppm, 380 mg/m³.
Peak limitation: 4(II)
Teratogenic: DFG, Y

Substance name: Methanol; CAS-No.: 67-56-1
Specification: Occupational exposure limit values according to TRGS 900 (status 01/2006)
Value: 200 ppm, 270 mg/m³.
Peak limitation: 4(II)
Teratogenic: DFG, EU, H, Y

Ethanol (CAS No. 64-17-5): Exceedance factor 2(II); Notes DFG and Y (= there's no need to fear the risk of foetal damage if the occupational exposure limit value and the biological limit value (BGW) are observed). (Status: January 2006)
Methanol (CAS No. 67-56-1): Exceedance factor 4(II); skin-resorptive; Notes DFG, EU and Y (= there's no need to fear the risk of foetal damage if the occupational exposure limit value and the biological limit value (BGW) are observed). (Status: January 2006)

8.2 Limitation and monitoring of exposure

General protective and hygienic measures

Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin.

Individual protective measures - personal protective equipment

Eye/face protection

Safety goggles

Skin protection

Hand gloves

With full contact:
Glove material: Nitrile rubber
Layer thickness (mm): ≥4 mm
Penetration time (min.): > 480 minutes

In splash contact:

Glove material: Nitrile rubber
Layer thickness (mm): ≥4 mm
Penetration time (min.): > 480 minutes

Other skin protection

butyl rubber
Fluoro rubber (Viton)
PVC gloves.

Respiratory protection

Not required.

Heat / cold protection

Recommended storage temperature: +5 to +30 °C

Limitation and monitoring of environmental exposure

See Section 6 and 7

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Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
- Physical state:	Liquid
- Colour:	Milky
Odour:	Characteristic
Odour threshold:	Not specified
pH-value:	Approx. 9.0 (DIN 19261)
Melting point/Freezing point:	0°C
Initial boiling point and boiling range:	100°C
Flash point:	Not applicable
Evaporation rate:	Not specified
Flammability (solid, gaseous): upper/lower flammability or explosive limits:	Not applicable
Vapour pressure:	Not specified
Vapor density:	Not specified
Relative density:	1.00 g/ml
Solubility:	Fully miscible
Partition coefficient: n-octanol/water:	Not specified
Autoignition temperature:	Not applicable
Decomposition temperature:	Not specified
Viscosity:	Not specified
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 Other information

No further relevant information available.

Abschnitt 10: Stabilität und Reaktivität

10.1 Reaktivität

No further relevant information available.

10.2 Chemical stability

No decomposition when used as intended.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Ethanol, methanol

Section 11: Toxicological information

11.1 Information on toxicological effects

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Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion / irritation

Based on available data, the classification criteria are not met.

Serious eye damage / irritation

Based on available data, the classification criteria are not met.

Sensitization of the respiratory tract/skin

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Symptoms and effects (delayed and chronic) with information on routes of exposure also: information on toxicokinetics, metabolism and distribution

Hydrolysis product / contamination: Methanol (CAS 67-56-1) is well and quickly absorbed over all exposure routes and is toxic regardless of the type of intake. Methanol can cause irritation of the mucous membranes, nausea, vomiting, headache, dizziness, visual disturbances, blindness (irreversible damage to the optic nerve), acidosis, muscle cramps and coma. These effects may be delayed after exposure.

Hydrolysis product / contamination: According to literature, ethanol (64-17-5) is irritant to mucous membranes, slightly irritant to the skin, skin degreasing, narcotic, and may cause liver damage.

Sensitization by skin contact is possible among sensitive persons.

Section 12: Ecological information

12.1 Toxicity

According to current experience, no adverse effects are to be expected in sewage treatment plants.

12.2 Persistence and degradability

Silicone content: Non-biodegradable. Elimination by adsorption on activated sludge. The hydrolysis product (ethanol) is easily biodegradable. The hydrolysis product (methanol) is easily biodegradable.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Result of PBT and vPvB assessment

No further relevant information available.

12.6 Other adverse effects

No further relevant information available.

Section 13: Disposal information

13.1 Waste treatment methods

Recommendation:

Packaging must be emptied completely (drip-free, trickle-free, spatula-free). Packaging should preferably be reused or recycled in accordance with the applicable local/national regulations.

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Waste code according to Waste Catalog Ordinance (AVV)

No waste code number according to the European Waste Catalogue (AVV) can be defined for this product, since only the intended use by the consumer allows an allocation. The waste code number must be determined within the EU in consultation with the disposal organisation.

Product

Recommendation:
Proper disposal by incineration in a hazardous waste incineration plant. Smaller quantities can be disposed of in a domestic waste incinerator. Observe local regulations.

Section 14: Transport information

14.1 UN-Number

Not applicable

14.2 Proper UN shipping name;

ADR/RID

Not applicable

IMDG-Code / ICAO-TI / IATA-DGR

Not applicable

14.3 Transport risk classes

Not applicable

14.4 Packaging group

Not applicable

14.5 Environmental hazards

Environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR: yes / no

Marine Pollutant: yes / no

14.6 Special precautions for the user!

See Section 6 - 8

14.7 Bulk cargo transportation in accordance with Annex II of the MARPOL Convention and the IBC Code

No bulk transport is intended.

Section 15: Regulatory information

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

Regulation (EC) No 2037/2000 (substances that deplete the ozone layer):

Not applicable

Regulation (EC) No 850/2004 (persistent organic pollutants):

Not applicable

Regulation (EC) No 689/2008 (export and import of dangerous chemicals):

Not applicable

Regulation (EC) No 648/2004 (Detergents Regulation):

Not applicable

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Restrictions under Title VIII of Regulation (EC) No 1907/2006:

Not applicable

Water hazard class

1 slightly hazardous to water

Solvent Ordinance (31. BImSchV)

VOC content: EU limit value for the product (Cat. A/a): 30 g/l (2010)

This product contains a maximum of 30 g/l VOC.

Section 16: Other information

Changes compared to the last version

See Section 1-16

Abbreviations

ADR: European Convention on the International Transport of Dangerous Goods by Road.
AwSV: Regulation on facilities for handling substances that endanger water
BImSchV: Regulation to implement the Federal Import Protection Act
CAS: Chemical Abstracts Service
DIN: Norm of the German Institute for Standardization
EC: Effective concentration
EG: European Community
EN: European standard
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
PBT: Persistent, bioaccumulative and Toxic
VPvB: very Persistent and very Bioaccumulative

Methods referred to in Article 9 of Regulation (EC) No 1272/2008 were used to assess the information for classification purposes

Calculation method

Wording of the hazard statements and / or precautionary statements referred to in sections 2 to 15

Acute Tox. 4: Acute toxicity - Category 4
Eye Dam. 1: Severe eye damage/eye irritation - Category 1
H302: Harmful if swallowed.
H318: Causes severe damage to eyes.

Training for employees

No training is required for activities involving this hazardous substance.

Further information

This data sheet is intended as a guideline for the proper handling of the product by trained personnel. To the best of our knowledge, the information in this safety data sheet corresponds to our knowledge at the time of printing. They do not constitute an assurance of certain product characteristics and do not establish a contractual legal relationship. It is the responsibility of the user to ensure that all information and properties are consistent with his particular application. The product is designed for a specific application, so the user himself is liable for risks and damages due to other applications. It does not release the user from knowing and using all information about the handling of the product. He is responsible for all measures regarding the use of the product.