



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 04.09.2020

Version number 4

Revision: 04.09.2020

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

- **1.1 Product identifier**
- **Trade name:** HYDRA
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages**
 - C Consumer use
 - PW Widespread use by professional workers
- **Sector of Use**
 - SU21 Consumer uses: Private households / general public / consumers
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture** Self glazing emulsion
- **Uses advised against**

The mixture is not recommended for industrial, professional and consumer applications not specified as relevant identified uses
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

MA-FRA S.p.A. a Socio Unico
Via Aquileia, 44/46
20021 Baranzate (MI) ITALIA
Tel. +39 023569981
www.mafra.com
mafra@mafra.it
- **Informing department:**

info@mafra.it
E-mail: lab@mafra.it
- **1.4 Emergency telephone number:** In case of accident call the emergency number 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

The product is not classified as hazardous according to the CLP Regulation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**

- **PBT:**

67-56-1	methanol
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- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances

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- Dangerous components:

EC number: 920-107-4 Reg.nr.: 01-2119453414-43	Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics ⚠ Asp. Tox. 1, H304	3-5%
CAS: 541-02-6 EINECS: 208-764-9 Reg.nr.: 01-2119511367-43-0021	Methylpolysiloxane	<1%
CAS: 67-56-1 EINECS: 200-659-6 Reg.nr.: 01-2119433307-44	methanol PBT ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ STOT SE 1, H370	<1%

- SVHC

541-02-6 | Methylpolysiloxane

- Additional information For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****- 4.1 Description of first aid measures**

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult doctor.

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

Sickness

No further relevant information available.

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

If swallowed, gastric irrigation

Medical supervision for at least 48 hours

SECTION 5: Firefighting measures**- 5.1 Extinguishing media****- Suitable extinguishing agents**CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Use fire fighting measures that suit the environment.

- 5.2 Special hazards arising from the substance or mixture

Can be released in case of fire

Carbon monoxide (CO)

- 5.3 Advice for firefighters**- Protective equipment:** Do not inhale explosion gases or combustion gases.**- Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures**- 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions:

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- 6.4 Reference to other sections

See Section 7 for information on safe handling

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See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling No special measures required.
- Information about protection against explosions and fires: Protect from heat.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and containers: Store only in the original container.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- Storage class
- Class according to regulation on inflammable liquids: Void
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- 8.1 Control parameters

- Components with limit values that require monitoring at the workplace:

67-56-1 methanol

WEL	Short-term value: 333 mg/m ³ , 250 ppm
	Long-term value: 266 mg/m ³ , 200 ppm
	Sk

- DNELs

67-56-1 methanol

Oral	Systemic Long-term Effects	8 mg/Kg bw/day (Consumers)
	Systemic short-term effects	8 mg/m ³ (Consumers)
Dermal	Systemic long-term effects	40 mg/Kg bw/day (Industrial Workers)
	Systemic Short-term Effects	40 mg/Kg bw/day (Industrial Workers)
Inhalative		8 mg/Kg bw/day (Consumers)
	Local long-term effects	260 mg/m ³ (Industrial Workers)
		50 mg/m ³ (Consumers)
	Local short-term effects	260 mg/m ³ (Industrial Workers)
		50 mg/m ³ (Consumers)
	Systemic long-term effects	260 mg/m ³ (Industrial Workers)
	50 mg/m ³ (Consumers)	
	Systemic Short-term Effects	260 mg/m ³ (Industrial Workers)
		50 mg/m ³ (Consumers)

- PNECs

67-56-1 methanol

PNEC STP	100 mg/L (STP)
Soil	100 mg/Kg (Soil)
Soft Water	20.8 mg/L (Water)
Sea water	2.08 mg/L (Water)
Sediment (soft water)	77 mg/Kg (Soil)
Sediment (sea water)	7.7 mg/Kg (Soil)

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- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

- **Breathing equipment:** Not required.

- **Protection of hands:**



Not required.

- **Material of gloves**

PVC gloves

Not required.

Nitrile rubber, NBR

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Safety glasses recommended during refilling.

SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form: Fluid

Colour: White

- **Odour:** Pleasant

- **Odour threshold:** Not determined.

- **pH-value at 20 °C:** 7

- **Change in condition**

Melting point/freezing point: Not determined

Initial boiling point and boiling range: 100 °C

- **Flash point:** Not applicable

- **Inflammability (solid, gaseous)** Not applicable.

- **Ignition temperature:** 450 °C

- **Decomposition temperature:** Not determined.

- **Self-inflammability:** Product is not selfigniting.

- **Explosive properties:** Product is not explosive.

- **Critical values for explosion:**

Lower: Not determined.

Upper: Not determined.

- **Vapour pressure at 20 °C:** 23 hPa

- **Density at 20 °C** 1 g/cm³

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

Water: Fully miscible

- **Partition coefficient: n-octanol/water:** Not determined.

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- **Viscosity:**
- dynamic:** Not determined.
- kinematic at 20 °C:** 200 s (ISO 4 mm)
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable under normal conditions
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **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:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification:

63148-62-9 Poly (dimethylsiloxane)

Oral	LD50	>5,000 mg/Kg (Rat)
Dermal	LD50	>2,000 mg/Kg (Rabbit)
		>2,000 mg/Kg (Rat)

Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics

Oral	LD50	>5,000 mg/Kg (Rat)
Dermal	LD50	>5,000 mg/Kg (Rabbit)

9043-30-5 isotridecanol ethoxylated

Oral	LD50	>300-2,000 mg/Kg (Rat)
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541-02-6 Methylpolysiloxane

Oral	LD50	>5,000 mg/Kg (Rat)
Dermal	LD50	>15,000 mg/Kg (Rat)

67-56-1 methanol

Oral	LD50	>2,000 mg/Kg (Rat)
Dermal	LD50	17,100 mg/Kg (Rabbit)
Inhalative	LC50 (6h)	43.68 mg/L (Cat)

- **Primary irritant effect:**
- **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.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics

LC50 (4 h) >4,951 mg/L (Rat)

EC50 (48h) 1,000 mg/L (Daphnia)

EC50 (96h) 1,000 mg/L (Fish)

EC50 (72h) 1,000 mg/L (Algae)

9002-92-0 Laureth 3

LC50 (96h) <1 mg/L (Fish)

EC50 (48h) <1 mg/L (Daphnia)

67-56-1 methanol

LC50 (96h) 15,400 mg/L (Fish)

EC50 (96h) 18,260 mg/L (Daphnia)

- 12.2 Persistence and degradability No further relevant information available.

- 12.3 Bioaccumulative potential No further relevant information available.

- 12.4 Mobility in soil No further relevant information available.

- Additional ecological information:

- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

- 12.5 Results of PBT and vPvB assessment

- PBT:

67-56-1 | methanol

- vPvB: Not applicable.

- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

- Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:

- Recommendation: Disposal must be made according to official regulations.

- Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

- UN-Number

- ADR, IMDG, IATA

Void

- 14.2 UN proper shipping name

- ADR, IMDG, IATA

Void

- 14.3 Transport hazard class(es)

- ADR, IMDG, IATA

- Class

Void

- Packing group

- ADR, IMDG, IATA

Void

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- 14.5 Environmental hazards:	Not applicable.
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- 14.6 Special precautions for user	Not applicable.
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- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
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SECTION 15: Regulatory information

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

- Directive 2012/18/EU

- Named dangerous substances - ANNEX I None of the ingredients is listed.

- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 69

- National regulations

- Classification according to VbF: Void

- Technical instructions (air):

Class	Share in %
I	0.1
NK	3.0

- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

- Other regulations, limitations and prohibitive regulations

- Substances of very high concern (SVHC) according to REACH, Article 57

541-02-6	Methylpolysiloxane
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- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- Relevant phrases

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H370 Causes damage to organs.

- Department issuing data specification sheet: Ma-Fra Laboratories

- Contact: lab@mafra.it

- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 3: Acute toxicity - oral – Category 3

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

- * Data compared to the previous version altered.