

According to directive 1907/2006/EC, 2020/878

Version 3.0

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Trade name: Plasticrete liquid

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

1.1 Product identification:

Product name: Plasticrete liquid

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

Type of application (Use): Casting resin

Recommended restrictions on use: For business use only.

1.3 Details of the supplier of the safety data sheet:

Responsible distributor : ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency phone number:

For Belgium:

Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to directive (EC) No 1272/2008 and its amendments.

Not a hazardous substance or mixture.

2.2 Labelling elements:

Labelling according to regulation (EC) No 1272/2008 [CLP/GHS]:

Not a hazardous substance or mixture.

2.3 Other hazards:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Toxicological information:

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Description:

Chemical description : Acrylic resin solution.

Hazardous ingredients:

Note: No hazardous ingredients.

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SECTION 4: First aid measures

4.1 Description of first-aid measures:

General advice:

Keep warm and put in a quiet environment.
Show this safety data sheet to the doctor on duty.
Remove contaminated clothing immediately.

By inhalation:

Getting into the fresh air.
Keep victim warm and calm.
If unconscious, apply stable side position and seek medical attention.
If symptoms persist, consult a doctor.

On contact with skin:

Immediately wash off with soap and plenty of water.
DO NOT use solvents or paint thinner.
In case of spillage on clothing, remove clothing.
If skin irritation persists, consult a doctor.

On contact with eyes:

Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.
As far as easy to do, remove any contact lenses.

If swallowed:

Keep calm.
Do not induce vomiting without medical advice.
Keep breathing passages clear.
If symptoms persist, consult a doctor.

4.2 Main acute and delayed symptoms and effects:

Symptoms:

No data available.

4.3 Indication of immediate medical attention and special treatment required:

Treatment:

The procedure for first aid should be drawn up together with the company doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:

Water
Carbon dioxide (CO₂)
Foam
Dry powder

Unsuitable extinguishing media:

Nothing known.

5.2 Special hazards arising from the substance or mixture:

Specific hazards in firefighting:

When burned, irritating fumes are produced.

5.3 Advice for firefighters:

Special protective equipment for firefighters:

In case of fire, wear a compressed air mask.
Use personal protective equipment.

Further information:

In case of fire and/or explosion, avoid breathing fumes.
Use extinguishing agents suitable for the local conditions and environment.
Immediately evacuate personnel to a safe area.

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Prevent extinguishing water from contaminating surface water or groundwater systems.

Combustion residues and contaminated fire fighting water must be disposed of according to local regulations.

SECTION 6: Measures in case of accidental release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions:

See protective measures in sections 7 and 8.

Evacuate personnel to a safe area.

Use personal protective equipment.

Ensure adequate ventilation.

Inform the competent authority in case of gas leaks, or runoff into waterways, soil or sewers.

6.2 Environmental precautions:

Environmental precautions:

Avoid uncontrolled discharge of product into the environment.

Try to prevent the material from draining into sewers or watercourses.

In case of significant leaks that cannot be contained, the local government should be notified.

6.3 Methods and materials for containment and cleaning:

Cleaning methods:

Absorb in inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Limit spill and collect with non-combustible absorbent materials, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

Incorporate and transfer into properly labelled containers.

6.4 Reference to other sections:

For personal protection, see section 8.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling of the substance or mixture:

Safe handling advice:

No smoking, eating and drinking in the workplace.

Ensure adequate ventilation and/or extraction in the workplace.

Avoid inhalation, ingestion and contact with skin and eyes.

Wear personal protective clothing.

Advice on protection against fire and explosion:

Keep away from open flames, hot surfaces and ignition sources.

Hygiene measures:

Ensure adequate air ventilation.

Wash hands and face before stopping work and immediately after using the product.

7.2 Conditions for safe storage, including incompatibilities:

Requirements for storage areas and containers:

Store containers tightly closed in a dry, cool and well-ventilated place.

Store in correctly labelled containers.

Details of storage conditions:

Store containers tightly closed in a dry, cool and well-ventilated place.

Advice for mixed storage:

Keep product and empty packaging away from heat and ignition sources.

Keep away from food and drink.

Other details:

Stable at normal room temperature and pressure.

7.3 Specific end use:

Specific use:

Before using this substance/mixture, refer to the technical guidelines.

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SECTION 8: Exposure controls/personal protection measures

8.1 Control parameters:

The product contains no ingredients for which exposure values have been established.

8.2 Exposure control measures:

Technical controls:

Effective extraction ventilation system.

Personal protection devices:

Eye protection:

Do not wear contact lenses.

Safety glasses with side shields according to EN 166.

Provide eyewash facilities and safety showers close to the workplace.

Hand protection

Material:

Protective gloves according to EN 374.

Skin and body protection:

Protective clothing.

Respiratory protection:

In case of vapour formation, use a respirator with an approved filter type.

The equipment must comply with EN 14387.

Protective measures:

Avoid contact with skin.

Wear suitable personal protective equipment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Occurrence:	liquid
Colour:	white
Odour:	light
Odour threshold:	Not performed
Melting/freezing point:	Not applicable
Boiling point/boiling range:	100 °C
Upper explosion limit / Upper flammability limit:	Not applicable
Lower explosion limit / Lower flammability limit:	Not applicable
Flash point:	No data available
Ignition temperature:	Not applicable
Self-ignition temperature:	Not applicable
Decomposition temperature:	No data available
pH:	5 - 8,5

Viscosity

Viscosity, dynamic: 480 - 630 mPa.s (25 °C)

Viscosity, kinematic: Not performed

Solubility

Solubility in water: Not performed

Solubility in other solvents: Not performed

Partition coefficient: n-octanol/water: No data available

Vapour pressure: Not applicable

Density: 1.035 g/cm³ (25 °C)

Bulk specific gravity: Not exported

Relative vapour density: Not performed

Particle characteristics

Particle size: Not performed

9.2 Other information

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Explosives:	Not applicable
Oxidising properties	Not applicable
Self-ignition:	Not applicable
Evaporation rate:	Not performed
Surface tension:	Not performed
Sublimation point:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity:

Stable under recommended storage conditions.

10.2 Chemical Stability:

No decomposition if stored and applied as indicated.

10.3 Potential Hazardous Reactions:

No hazardous reactions were observed under normal conditions of use.

10.4 Conditions to avoid:

No decomposition if directions are followed.

10.5 Chemically interacting Materials:

Materials to avoid:

Acids

Bases

Oxidants.

10.6 Hazardous Decomposition Products:

No decomposition if stored and applied as indicated.

Hazardous decomposition products such as:

Carbon monoxide, carbon dioxide and unburned hydrocarbon (smoke).

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute Toxicity

Product:

Acute oral toxicity:

Comments: No data available

Acute toxicity by inhalation:

Comments: No data available

Acute dermal toxicity:

Comments: No data available

Acute toxicity (other route of administration):

Comments: No data available

Skin corrosion/irritation

Product:

Comments: No data available

Serious eye damage/eye irritation

Product:

Comments: No data available

Respiratory/skin sensitisation

Product:

Comments: No data available

Carcinogenicity

Product:

Effects on fertility:

Comments: No data available

Effects on foetal development:

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Comments: No data available

Reproductive toxicity

Product:

Comments: No data available

STOT from single exposure

Product:

Notes: Not applicable

STOT on repeated exposure

Product:

Notes: Not applicable

Repeated-dose toxicity

Product:

Comments: No data available

11.2 Information on other hazards

Endocrine-disrupting properties

Product:

Assessment:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Further information

Product:

Notes:

No data available

SECTION 12: Ecological information

12.1 Toxicity:

Product:

Toxicity to fish:

Comments: No data available

Toxicity to daphnia and other aquatic invertebrates:

Comments: No data available

12.2 Persistence and Degradability:

Product:

Biodegradability:

Comments: No data available

Physicochemical removability:

Comments: No data available

12.3 Bioaccumulation:

Product:

Bioaccumulation:

Comments: No data available

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

Product:

Assessment:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment:

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12.7 Other Harmful Effects:

Product:

Additional ecological information:

Remarks: There is a risk of environmental damage if this substance is handled or disposed of improperly.

SECTION 13: Disposal instructions

13.1 Waste treatment methods:

Product:

According to local and national regulations.

Container dangerous when empty.

Do not dispose together with household waste.

Do not mix streams during waste collection.

Contaminated packaging:

Empty containers should be disposed of at an authorised waste treatment facility for reuse or disposal.

SECTION 14: Information relating to transport

14.1 UN number

Not regulated as a hazardous substance

14.2 Proper cargo name according to UN model regulations

Not regulated as a hazardous substance

14.3 Transport hazard class(es)

Not regulated as a hazardous substance

14.4 Packing group

ADR/RID/ADN:

Not regulated as a hazardous substance

IMDG:

Not regulated as a hazardous substance

Notes:

IMDG Code segregation group - none

IATA (Cargo):

Not regulated as a hazardous substance

IATA (Passenger):

Not regulated as a hazardous substance

14.5 Environmental hazards

Not regulated as a hazardous substance

14.6 Special precautions for the user

Notes:

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with regulations by personnel who have received the necessary training;

The transport classification(s) given herein are for information only, and based solely on the properties of the unpackaged material as described in this safety data sheet.

Transport classifications may vary in terms of mode of transport, packaging size and variations in regional or national regulations.

14.7 Sea transport in bulk in accordance with IMO instruments

Not applicable for product, as delivered.

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SECTION 15: Statutory information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):

Not applicable

REACH - Candidate list of substances of very high concern for authorisation (Article 59):

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Regulation (EC) No 1005/2009 on ozone-depleting substances:

Not applicable

Regulation (EE) 2019/1021 on persistent organic pollutants (recast):

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals:

Not applicable

REACH - List of substances subject to authorisation (Annex XIV):

Not applicable

REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors:

Not applicable

Overviews of toxic chemicals and precursor (intermediate) compounds of the International Convention on Chemical Weapons ("International Chemical Weapons Convention (CWC)":

Not applicable

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:

Not applicable

Other regulations:

As for the composition of the product, we deliberately do not add any of the substances indicated in European Directive 2011/65/EU (RoHS 2, RoHS3 and China RoHS).

The product therefore complies with the said guidelines.

Also, no conflict minerals are deliberately added to the product.

15.2 Chemical safety assessment:

Not applicable.

SECTION 16: Other information

Full text of the H statements

Not applicable

Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Association for the Testing of Materials; bw - Body Weight; CLP - Regulation on Classification, Labelling and Packaging; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - List of substances used indoors (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Charge capacity associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-Maximum Inhibitory

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Concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (lethal dose median); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No discernible (negative) effect on concentration; NO(A)EL - No discernible (negative) effect on Level; NOELR - No discernible effect on loading capacity; NZIoC - New Zealand inventory of chemicals; OECD - Organisation for Economic Co-operation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Philippine inventory of chemicals and chemical substances; (Q)SAR - (Quantitative) structure-activity relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Inventory of Chemical Substances; TECl - Inventory of Chemical Substances Existing in Thailand; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Training advice:

Provide proper information, instruction and training for users.

The information in this safety data sheet is correct to the best of our knowledge at the date of issue indicated. This information is intended only as guidance for safe handling, use, processing, storage, transportation, disposal, and release, and should not be considered a guarantee or indication of quality.