

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Velvetol® H500

Version            Revision Date:            SDS Number:            Date of last issue: 06.07.2016  
1.5                06.06.2017                100000000258  
REG\_EU /  
EN

---

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

#### 1.1 Product identifier

Trade name                                : Velvetol® H500  
  
Product code                                : 00000000000281829  
  
Substance name                             : 1,3-propanediol, homo polymer  
  
CAS-No.                                     : 345260-48-2

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

Use of the Sub-                             : Textile auxiliary  
stance/Mixture                                : Cosmetic additive, Film preservatives  
  
Recommended restrictions                 : For industrial use only.  
on use

#### 1.3 Details of the supplier of the safety data sheet

Company                                     : Allessa GmbH  
                                                      : Alt-Fechenheim 34  
                                                      : 60386 Frankfurt am Main  
                                                      : Germany  
  
Telephone                                     : +49 69 4109 01  
Telefax                                        : +49 69 4109 2100  
  
Responsible/issuing person                : sdb@allessa.com  
                                                      : +49 69 4109 2710 (8.00 - 16.00 Uhr)

#### 1.4 Emergency telephone number

Telephone                                     : 24-7 Emergency Advice Europe  
                                                      : +49 69 22222571

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Velvetol® H500

Version	Revision Date:	SDS Number:	Date of last issue: 06.07.2016
1.5	06.06.2017	100000000258	
REG_EU /			
EN			

---

### 2.3 Other hazards

Does not require a hazard warning label, but the normal safety precautions for handling chemicals must be observed.

---

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Substance name	:	1,3-propanediol, homo polymer
CAS-No.	:	345260-48-2
Chemical nature	:	Polymer
Remarks	:	Contains no hazardous ingredients according to GHS

---

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice	:	If you feel unwell, seek medical advice (show the label where possible).
If inhaled	:	If breathed in, move person into fresh air.
In case of skin contact	:	Wash off immediately with soap and plenty of water. Take off all contaminated clothing immediately.
In case of eye contact	:	Immediately flush eye(s) with plenty of water.
If swallowed	:	Rinse mouth with water. Get medical attention if symptoms occur.

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

Symptoms	:	No symptoms known currently.
----------	---	------------------------------

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

Treatment	:	Treat symptomatically.
-----------	---	------------------------

---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	:	Alcohol-resistant foam Dry powder Carbon dioxide (CO <sub>2</sub> ) Water spray jet
------------------------------	---	----------------------------------------------------------------------------------------------

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Velvetol® H500

Version	Revision Date:	SDS Number:	Date of last issue: 06.07.2016
1.5	06.06.2017	100000000258	
REG_EU /			
EN			

---

Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire-fighting : Hazardous decomposition products formed under fire conditions.

Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : In the event of fire and/or explosion do not breathe fumes.  
Standard procedure for chemical fires.  
Please observe escape and rescue routes!

---

## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Evacuate personnel to safe areas.  
Avoid contact with skin, eyes and clothing.  
The danger areas must be delimited and identified using relevant warning and safety signs.

### 6.2 Environmental precautions

Environmental precautions : Avoid release to the environment.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).  
Retain and dispose of contaminated wash water.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Large spills should be collected mechanically (remove by pumping) for disposal.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.

### 6.4 Reference to other sections

For personal protection see section 8.

---



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Velvetol® H500

Version 1.5  
REG\_EU / EN

Revision Date: 06.06.2017

SDS Number: 100000000258

Date of last issue: 06.07.2016

---

on the concentration and quantity of the hazardous substance and specific to place of work.  
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.  
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Nitrile rubber gloves.  
Butyl rubber gloves.

Gloves must be inspected prior to use.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.  
Gloves must be rinsed thoroughly after use.

- Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place, e.g. apron, boots, protective suit (EN 14605, EN ISO 13982-1, EN 13034).
- Respiratory protection : No personal respiratory protective equipment normally required.
- Protective measures : Handle in accordance with good industrial hygiene and safety practice.  
Handle and open container with care.  
Avoid contact with the skin and the eyes.  
Follow the skin protection plan.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : clear
- Odour : weak
- Melting point : 0 - 5 °C
- Flash point : > 200 °C  
Method: Tag open cup

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Velvetol® H500

Version	Revision Date:	SDS Number:	Date of last issue: 06.07.2016
1.5	06.06.2017	100000000258	
REG_EU /			
EN			

---

Density	:	1,02 g/cm <sup>3</sup> (40 °C)
Solubility(ies)	:	
Water solubility	:	slightly soluble
Viscosity	:	
Viscosity, dynamic	:	90 - 120 mPa.s (40 °C)
Explosive properties	:	On the basis of the chemical structure of the substance it can be assumed that the substance is not an explosion hazard. The substance has no chemically unstable or highly reactive groups that could lead to an explosion.
Oxidizing properties	:	On the basis of the chemical structure of the substance it may be assumed that the substance has no oxidising properties. The substance has no functional groups that could have an oxidising effect.

### 9.2 Other information

Surface tension	:	40,7 mN/m
Refractive index	:	1,4617
Molecular weight	:	400 - 600 g/mol

---

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Decomposes on heating.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	May form explosive peroxides.
---------------------	---	-------------------------------

### 10.4 Conditions to avoid

Conditions to avoid	:	Do not expose to temperatures above 212 °F/100 °C.
---------------------	---	----------------------------------------------------

### 10.5 Incompatible materials

Materials to avoid	:	Strong oxidizing agents
--------------------	---	-------------------------

### 10.6 Hazardous decomposition products

No decomposition if used as directed.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Velvetol® H500

Version      Revision Date:      SDS Number:      Date of last issue: 06.07.2016  
1.5            06.06.2017            100000000258  
REG\_EU /  
EN

---

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

**Product:**

Acute oral toxicity                    : LD50 (Rat): > 2.000 mg/kg

##### Skin corrosion/irritation

**Product:**

Species: Rabbit  
Result: No skin irritation

##### Serious eye damage/eye irritation

**Product:**

Species: rabbit eye  
Result: No eye irritation

##### Respiratory or skin sensitisation

**Product:**

Species: Guinea pig  
Result: Did not cause sensitisation on laboratory animals.

##### Germ cell mutagenicity

**Product:**

Germ cell mutagenicity- As-        : In vitro tests did not show mutagenic effects  
essment

##### Germ cell mutagenicity

No data available

##### Carcinogenicity

No data available

##### Reproductive toxicity

No data available

##### STOT - single exposure

No data available

##### STOT - repeated exposure

No data available



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Velvetol® H500

Version	Revision Date:	SDS Number:	Date of last issue: 06.07.2016
1.5	06.06.2017	100000000258	
REG_EU /			
EN			

---

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- |                        |   |                                                                                                                                                                                     |
|------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                | : | Dispose of as special waste in compliance with local and national regulations.                                                                                                      |
| Contaminated packaging | : | Empty containers should be taken to an approved waste handling site for recycling or disposal.<br>Packaging that is not properly emptied must be disposed of as the unused product. |

---

### SECTION 14: Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Not applicable

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

---

### SECTION 15: Regulatory information

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

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

Volatile organic compounds	:	Law on the incentive tax for volatile organic compounds (VOCV) Volatile organic compounds (VOC) content: 0 % Remarks: According to the composition the product contains no VOC component as defined by the Swiss VOC Law
----------------------------	---	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Other regulations	:	The product does not need to be labelled in accordance with EC directives or respective national laws.
-------------------	---	--------------------------------------------------------------------------------------------------------

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Velvetol® H500

Version	Revision Date:	SDS Number:	Date of last issue: 06.07.2016
1.5	06.06.2017	100000000258	
REG_EU /			
EN			

### The components of this product are reported in the following inventories:

REACH : Product falls under the EU-polymer definition., This substance is exempt from registration according to Regulation (EC) No. 1907/2006 (REACH).

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of other abbreviations

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; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Velvetol® H500

Version	Revision Date:	SDS Number:	Date of last issue: 06.07.2016
1.5	06.06.2017	100000000258	
REG_EU /			
EN			

---

material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.