SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

HANSA ADD 1055

Version	Revision Date:	Date of last issue: 18.10.2017
4.3	05.03.2020	Date of first issue: 08.05.2013

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

1.1 Product identifier

Trade name	:	HANSA ADD 1055
Substance name	:	Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl -1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-
CAS-No.	:	27306-78-1

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

Use of the Sub-stance/Mixture	:	Additive for agricultural applications Construction auxiliary Industrial use Additive for paints and lacquers Textile auxiliary Raw material for care products formulae Leather auxiliary

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier

CHT Germany GmbH
Bismarckstraße 102
72072 Tübingen
Germany
Tel.: +49 7071 154 0
info@cht.com

CHT Switzerland AG
Kriessernstrasse 20
9462 Montlingen
Switzerland
Tel.: +41 71 763 88 11
info.switzerland@cht.com

CHT Australia Pty. Ltd.
33 Elliott Road
Dandenong, Victoria, 3175
Australia
Tel.: +61 3 9706 7400
talktous@cht.com.au

Importer	:	- - - - - -
Responsible Department	:	CHT Germany GmbH CHT Switzerland AG Product Safety sds.germany@cht.com sds.switzerland@cht.com

1.4 Emergency telephone number

Emergency telephone number	:	+49 7071 154 0 (Germany, 24 hours) +41 71 763 88 11 (Switzerland, 24 hours) +61 3 9797 7711 (Australia, 24 hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

Signal word : Warning

Hazard statements :

H302 + H332 Harmful if swallowed or if inhaled.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.

Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P391 Collect spillage.

Additional Labelling

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name : Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl -1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-

CAS-No. : 27306-78-1

Chemical nature : Polyethermodified trisiloxane

Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl -1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-	27306-78-1 Polymer	>= 70 - < 90
Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-(2-propen-1-yloxy)-	27252-80-8 Polymer	>= 20 - < 30

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Take off all contaminated clothing immediately.
Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.
If symptoms persist, call a physician.

In case of skin contact : Wash off immediately with soap and plenty of water.
If symptoms persist, call a physician.

In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Call a physician immediately.

If swallowed : Rinse mouth with water.
Do NOT induce vomiting.
Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Risks : There may be reddening, swelling, overheating and pain on

contact.

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 : Carbon dioxide (CO2)
Water spray
Dry powder
Foam

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.
Can be released in case of fire:
Carbon oxides
Silica

5.3 Advice for firefighters

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

Further information : In case of fire do not inhale smoke, conflagration gases and steams.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Contaminated surfaces will be extremely slippery.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
If the product contaminates rivers and lakes or drains inform respective authorities.
Pay attention to local or official regulations.

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).
Clean contaminated surface thoroughly.
Dispose of in accordance with local regulations.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Avoid formation of aerosol.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.
Normal measures for preventive fire protection.

Hygiene measures : Avoid contact with skin, eyes and clothing.
Do not breathe vapours, aerosols.
Take off all contaminated clothing immediately.
Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Do always store in containers which correspond to the original ones.
Keep container tightly closed.

Advice on common storage : No special precautions required.

7.3 Specific end use(s)

Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Engineering measures

Solids with occupational exposure limits in liquid preparations do not cause an exposure in the workplace, because they are not present in a respirable form. Exposure can occur in the form of aerosols or after drying of the liquid the solids remain, possibly in a finely dispersed form.
Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Eye protection : Goggles (EN 166)

Hand protection

Material	:	Nitrile rubber
Break through time	:	> 480 min
Glove thickness	:	> 0.35 mm
Protective index	:	Class 6
Material	:	Neoprene
Break through time	:	> 480 min
Glove thickness	:	> 0.5 mm
Protective index	:	Class 6
Material	:	PVC
Break through time	:	> 480 min
Glove thickness	:	> 0.5 mm
Protective index	:	Class 6
Material	:	butyl-rubber
Break through time	:	> 480 min
Glove thickness	:	> 0.5 mm
Protective index	:	Class 6
Remarks	:	The obtained break through times according to EN 374 Part III are not measured under normal operating conditions. Therefore a maximum usage time of 50% of the break through time is recommended. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
Skin and body protection	:	Wear suitable protective clothing (EN 14605).
Respiratory protection	:	Not required; except in case of aerosol formation. Recommended Filter type: Combination filter A/P (EN 141)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	light yellow
Odour	:	characteristic
pH	:	Not applicable
Melting point/range	:	No data available
Boiling point/boiling range	:	> 150 °C
Flash point	:	> 100 °C
Evaporation rate	:	Not applicable
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	< 1.33 hPa (20 °C)
Relative vapour density	:	Not applicable
Density	:	1 g/cm3 (20 °C)
Solubility(ies)		
Water solubility	:	dispersible, hydrolyses
Partition coefficient: n-octanol/water	:	Not applicable
Viscosity		
Viscosity, dynamic	:	5 - 60 mPa.s (20 °C) Brookfield LVT
Oxidizing properties	:	Not applicable

9.2 Other information

Conductivity	:	Not determined
Self-ignition	:	not auto-flammable

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Not applicable

10.5 Incompatible materials

Materials to avoid : Not applicable

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: > 300 - 2,000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 1 - 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 - 5,000 mg/kg
Method: Calculation method

Components:

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl -1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-:

Acute oral toxicity : LD50 (Rat): > 300 - 2,000 mg/kg
Argument by analogy

Acute inhalation toxicity : LC50 (Rat): 2 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Argument by analogy

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Argument by analogy

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-(2-propen-1-yloxy)-:

Acute oral toxicity : LD50 (Rat): 500 - 2,000 mg/kg
Method: OECD Test Guideline 401
Argument by analogy

Skin corrosion/irritation

Product:

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

Components:

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl -1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
: Argument by analogy

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-(2-propen-1-yloxy)-:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
: Argument by analogy

Serious eye damage/eye irritation

Product:

: Causes serious eye irritation.

Components:

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl -1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-:

Species : Rabbit
Method : OECD Test Guideline 405
Result : Irritating to eyes.
: Argument by analogy

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-(2-propen-1-yloxy)-:

Species : Rabbit
Method : OECD Test Guideline 405
Result : No eye irritation
: Argument by analogy

Respiratory or skin sensitisation

Product:

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

Components:

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl -1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-:

Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitisation.
	:	Argument by analogy

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment	:	Based on available data, the classification criteria are not met.

Carcinogenicity

Product:

Carcinogenicity - Assessment	:	Based on available data, the classification criteria are not met.

Reproductive toxicity

Product:

Reproductive toxicity - Assessment	:	Based on available data, the classification criteria are not met.

STOT - single exposure

Product:

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

STOT - repeated exposure

Product:

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

Aspiration toxicity

Product:

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

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to microorganisms : No data is available on the product itself.

Components:

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl -1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]-:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1 - 10 mg/l
Exposure time: 96 h
Argument by analogy

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia similis (water flea)): > 10 - 100 mg/l
Exposure time: 48 h
Argument by analogy

Toxicity to algae : EC50 (green algae): > 1 - 10 mg/l
Exposure time: 96 h
Argument by analogy

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-(2-propen-1-yloxy)-:

Toxicity to fish : LC0 (Leuciscus idus (Golden orfe)): 1,000 mg/l
Method: DIN 38412

LC50 (Danio rerio (zebra fish)): > 500 mg/l
Exposure time: 96 h

12.2 Persistence and degradability

Product:

Biodegradability : No data is available on the product itself.

Physico-chemical removability : The elimination in a sewerage purification plant is effected by means of biological decomposition as well as abiotic processes such as e.g. flocculation and precipitation, sedimentation, adsorption to the activated sludge and mechanical separation.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : No data is available on the product itself.

Partition coefficient: n-octanol/water : Not applicable

Components:

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-(2-propen-1-yloxy)-:

Partition coefficient: n-octanol/water	:	log Pow: -0.81 calculated according to Syracuse

12.4 Mobility in soil

Product:

Mobility	:	No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment	:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Adsorbed organic bound halogens (AOX)	:	Because of the components, which do not contain any organic halogens, this product does not increase the AOX-values in the waste water.
Additional ecological information	:	According to our knowledge, the product does not contain heavy metals and other compounds of EC directive 2000/60 EC.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Pay attention to local or official regulations.
Contaminated packaging	:	Pay attention to local or official regulations.

SECTION 14: Transport information

14.1 UN number

IMDG	:	UN 3082
IATA	:	UN 3082

14.2 UN proper shipping name

IMDG	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(polyether siloxane)

IATA : Environmentally hazardous substance, liquid, n.o.s. (polyether siloxane)

14.3 Transport hazard class(es)

IMDG : 9

IATA : 9

14.4 Packing group

IMDG

Packing group	:	III
Labels	:	9
EmS Code	:	F-A, S-F
Segregation group	:	-

IATA (Cargo)

Packing instruction (cargo aircraft)	:	964
Packing instruction (LQ)	:	Y964
Packing group	:	III
Labels	:	Class 9 - Miscellaneous dangerous substances and articles

IATA (Passenger)

Packing instruction (passenger aircraft)	:	964
Packing instruction (LQ)	:	Y964
Packing group	:	III
Labels	:	Class 9 - Miscellaneous dangerous substances and articles

14.5 Environmental hazards

IMDG

Marine pollutant : yes

IATA (Passenger)

Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

Remarks : see chapter 6 - 8

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Remarks : Not applicable

SECTION 15: Regulatory information

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

Other regulations:

Currently no information available.

15.2 Chemical safety assessment

not required

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; SVHC - Substance of Very High Concern; 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

Training advice : Based on the information in the safety data sheet and the workplace conditions, employees must be regularly trained in

the safe handling of the product. National rules for training employees in handling hazardous substances must be observed.

Other information	:	The classification for dangerous physico-chemical properties, health and environmental hazards has been derived from a combination of computational methods and, if available, test data. This data sheet contains changes from the previous version in section(s): 2 4
Sources of key data used to compile the Safety Data Sheet	:	Information from our suppliers, as well as data from the "Registered substances database" of the European Chemicals Agency (ECHA) has been used to compile this safety data sheet.

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 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.
This safety datasheet only contains information relating to safety and does not replace any product information or product specification.