

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name AGITAN® 5292
Material No. U15292
Historic Material No. U15292

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

Relevant identified uses Anti-foaming agent (defoamer)
Uses advised against Consumer use

1.3. Details of the supplier of the safety data sheet

Manufacturer Munzing - Ultra Additives LLC.
1455 Broad Street
Bloomfield NJ 07003
United States

Email: info@munzing.us
Phone: 1-973-279-1306

Supplier Münzing Chemie GmbH
Münzingstrasse 2
74232 Abstatt
Germany

Email: info@munzing.com
Phone: +49 (0) 7131/987-0

Emergency Telephone

Emergency telephone CHEMTREC: +1 703 741 5970

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label Elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

EUH210 - Safety data sheet available on request

2.3. Other hazards

No information available.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature of the product Polymer mixture

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Decamethylcyclopentasiloxane	208-764-9	541-02-6	<0.30	-	-
Octamethylcyclotetrasiloxane	209-136-7	556-67-2	<0.30	Repr. 2 (H361f) Aquatic Chronic 4 (H413) Flamm. Liq. 3 (H226)	-
Propylene Glycol	200-338-0	57-55-6	1 - <3	-	-
Modified Silica	Listed	-	3 - <5	-	-

Full text of H- and EUH-phrases: see section 16

Substance with a Community workplace exposure limit.

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Inhalation	Move victim to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Self-Protection of the First Aider	Use personal protection equipment.

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

Most important symptoms and effects No information available.

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

Notes to Physician Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media Water spray. Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam.

Unsuitable Extinguishing Media Do not use water jetstream.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for firefighters

5.3. Advice for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions Use personal protection equipment. Avoid contact with skin, eyes or clothing.

Protective precautions Use personal protection equipment.

6.2. Environmental precautions

Environmental precautions Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for Containment Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Methods for Clean-Up Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

6.4. Reference to other sections See Sections 5 & 7 for additional information.

Section 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Handling Use personal protection equipment. Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Slippery, can cause falls if walked on.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers.

7.3. Specific end use(s)

Specific Uses No information available.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters**Exposure limits**

Chemical name	European Union	United Kingdom	France	Spain	Germany
Propylene Glycol	-	TWA: 150 ppm TWA: 474 mg/m ³ TWA: 10 mg/m ³ STEL: 450 ppm STEL: 1422 mg/m ³ STEL: 30 mg/m ³	-	-	-
Modified Silica	-	TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ TWA: 0.1 mg/m ³ STEL: 18 mg/m ³ STEL: 7.2 mg/m ³	-	-	TWA: 4 mg/m ³
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Modified Silica	-	-	TWA: 0.075 mg/m ³	TWA: 5 mg/m ³	-
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Propylene Glycol	-	-	TWA: 100 mg/m ³	TWA: 25 ppm TWA: 79 mg/m ³ STEL: 37.5 ppm STEL: 118.5 mg/m ³	TWA: 10 mg/m ³ TWA: 150 ppm TWA: 470 mg/m ³ STEL: 1410 mg/m ³ STEL: 30 mg/m ³ STEL: 450 ppm
Modified Silica	TWA: 4 mg/m ³	-	-	TWA: 1.5 mg/m ³ STEL: 3 mg/m ³	TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ STEL: 18 mg/m ³ STEL: 7.2 mg/m ³

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face Protection Safety glasses with side-shields. If splashes are likely to occur, wear: Tight sealing safety goggles.

Skin protection Wear suitable protective clothing and gloves.

Respiratory protection In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Environmental exposure controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical State Liquid
Appearance Opaque, White
Odor Mild
Odor threshold No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	6.58	No information available

Melting point	No information available	No information available
Boiling point	No information available	No information available
Flash Point	No information available	No information available
Evaporation rate	No information available	No information available
Flammability (solid, gas)	No information available	No information available
Flammability Limit in Air		
Upper flammability limit	No information available	
Lower flammability limit	No information available	
Vapor Pressure	No information available	No information available
Vapor density	No information available	No information available
Specific Gravity	1.023	No information available
Water Solubility	Dispersible	No information available
Solubility in other solvents	No information available	No information available
Partition coefficient: n-octanol/water	No information available	No information available
Autoignition temperature	No information available	No information available
Decomposition temperature	No information available.	No information available
Viscosity	1580 . cPs	Dynamic viscosity
Explosive properties	No information available	
Oxidizing properties	No information available	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity Stable under normal conditions.

10.2. Chemical stability

Chemical Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

10.4. Conditions to avoid

Conditions to Avoid Heat, flames and sparks. Prolonged heating at temperatures above 150 °C.

10.5. Incompatible materials

Incompatible Materials Strong oxidizing agents. Strong acids. Strong bases.

Hazardous decomposition products

Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO₂). Silicon dioxide. Formaldehyde.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Eyes	Contact with eyes may cause irritation. Avoid contact with eyes.
Skin	Substance may cause slight skin irritation. Avoid contact with skin.
Inhalation	Health injuries are not known or expected under normal use.

Ingestion Health injuries are not known or expected under normal use.

Unknown acute toxicity Not applicable.

ATEmix (oral) 5,801.00 mg/kg
ATEmix (dermal) 20,800.00 mg/kg
ATEmix (inhalation-dust/mist) No data available
ATEmix (inhalation-vapor)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Octamethylcyclotetrasiloxane	> 4800 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 36 mg/l (Rat) 4 h
Propylene Glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	
Organosiloxane	> 24 g/kg (Rat) > 17 g/kg (Rat)	> 2 g/kg (Rabbit)	
Modified Silica	= 7900 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.2 mg/L (Rat) 1 h
Polyglycol	= 5700 mg/kg (Rat) = 16 g/kg (Rat)		= 320 mg/m ³ (Rat) 4 h

Skin Corrosion/Irritation No information available.

Eye damage/irritation No information available.

Sensitization No information available.

Mutagenic effects No information available.

Reproductive Effects Contains material that may cause adverse reproductive effects.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration Hazard No information available.

Carcinogenic effects No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Information given is based on data on the components and the ecotoxicology of similar products.

Chemical name	Algae	Fish	Daphnia magna
Octamethylcyclotetrasiloxane	-	1000: 96 h Lepomis macrochirus mg/L LC50 500: 96 h Brachydanio rerio mg/L LC50	25.2: 24 h Daphnia magna mg/L EC50
Propylene Glycol	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	LC50: 710-55770 mg/L, 96h (Fathead minnow)	EC50: > 10000 mg/L 48 h
Modified Silica	440: 72 h Pseudokirchneriella subcapitata mg/L EC50	5000: 96 h Brachydanio rerio mg/L LC50 static	7600: 48 h Ceriodaphnia dubia mg/L EC50
Polyglycol	EC50, 48 hr: >100 mg/L	LC50: >100 mg/l (Golden orfe), 96 hr	EC50 (48 h): > 100 mg/l

Unknown Aquatic Toxicity 48.75 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Persistence and degradability

Persistence and degradability . No information available.

12.3. Bioaccumulative potential**Bioaccumulation/Accumulation** .

Chemical name	Partition coefficient
Octamethylcyclotetrasiloxane	5.1

12.4. Mobility in soil

Mobility in Environmental Media . No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Not determined. Not applicable.

Chemical name	PBT and vPvB assessment
Decamethylcyclopentasiloxane	The substance is not PBT / vPvB
Octamethylcyclotetrasiloxane	The substance is not PBT / vPvB
Propylene Glycol	The substance is not PBT / vPvB
Modified Silica	The substance is not PBT / vPvB

Other adverse effects

Other adverse effects . No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Contain and dispose of waste according to local regulations.

Contaminated packaging Empty remaining contents.

Waste codes / waste designations according to EWC / AVV Not applicable.

Section 14: TRANSPORT INFORMATION

RID Not regulated

IMDG/IMO Not regulated

IATA Not regulated

Section 15: REGULATORY INFORMATION

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

International Inventories

US TSCA	Complies
Australia (AICS)	Complies
Canada (DSL)	Complies
China (IECSC)	Complies
Europe (EINECS/ELINCS/NLP)	Complies
Japan (ENCS)	Complies

South Korea (KECL)	Complies
Philippines (PICCS)	Complies
New Zealand	Complies
Taiwan (TCSI)	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Chemical name	French RG number	Title
Propylene Glycol 57-55-6	RG 84	-
Modified Silica	RG 25	-

Germany

WGK Classification (AwSV) Water endangering class = 1 (self estimation)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Decamethylcyclotetrasiloxane - 541-02-6	70.	
Octamethylcyclotetrasiloxane - 556-67-2	70.	

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H361f - Suspected of damaging fertility

H413 - May cause long lasting harmful effects to aquatic life

H226 - Flammable liquid and vapor

Legend

SVHC: Substances of Very High Concern for Authorization:

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

* - Skin designation

Classification procedure Minimum classification

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Reason for revision Not applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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End of Safety Data Sheet