

**Safety Data Sheet**

acc. to OSHA HCS

Printing date 01/20/2020

Reviewed on 01/20/2020

**1 Identification**

**Product identifier**

**Trade name: DEFOAMER**

**Application of the substance / the mixture** Defoamers, Anti-foaming agent

**Details of the supplier of the safety data sheet**

**Manufacturer / Importer / Supplier:**

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**2 Hazard(s) identification**

**Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

**Label elements**

**Keep out of reach of children** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**Classification system:**

**NFPA ratings (scale 0 - 4)**



**HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

**Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**3 Composition/information on ingredients**

**Chemical characterization: Mixtures**

**Description:** Defoamer

**Dangerous components:**

Alkoxylated alcohol.	Eye Irrit. 2A, H319	≤2.5%
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**4 First-aid measures**

**Description of first aid measures**

**General information:** Persons, providing assistance, should avoid exposure and danger for themselves or others.

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**After inhalation:** Remove the victim into fresh air, and keep at rest in a position that facilitates breathing.  
**After skin contact:** Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering).  
**After eye contact:**  
 If possible, remove contact lenses.  
 Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.  
**After ingestion:**  
 Rinse out mouth and then drink plenty of water.  
 If symptoms persist consult doctor.  
**Information for doctor:**  
**Most important symptoms and effects, both acute and delayed** No further relevant information available.  
**Indication of any immediate medical attention and special treatment needed** No further relevant information available.

**5 Fire-fighting measures**

**Extinguishing media**  
**Suitable extinguishing agents:**  
 All extinguishing media are possible.  
 Use fire fighting measures that suit the environment.  
**Special hazards arising from the substance or mixture** No further relevant information available.  
**Advice for firefighters** By fire, cool endangered containers with water and if possible remove from the danger zone.  
**Protective equipment:** Wear self-contained respiratory protective device.

**6 Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**  
 Product forms slippery surface when combined with water.  
 Wear protective equipment. Keep unprotected persons away.  
 Avoid breathing vapor and contact with eyes, skin and clothing.  
**Environmental precautions:**  
 Remainder dilute with plenty of water.  
 for disposing to sewer: seek approval from Sewer System Operator  
**Methods and material for containment and cleaning up:**  
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
**Reference to other sections**  
 No dangerous substances are released.  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.  
**Protective Action Criteria for Chemicals**

**PAC-1:**  
 None of the ingredients is listed.

**PAC-2:**  
 None of the ingredients is listed.

**PAC-3:**  
 None of the ingredients is listed.

**7 Handling and storage**

**Handling:**  
**Precautions for safe handling** No special precautions are necessary if used correctly.  
**Information about protection against explosions and fires:** The product is not flammable.  
**Conditions for safe storage, including any incompatibilities**  
**Storage:**  
**Requirements to be met by storerooms and tanks:** No special requirements.  
**Information about storage in one common storage facility:** Not required.  
**Further information about storage conditions:** None.

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**Specific end use(s)** No further relevant information available.

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**8 Exposure controls/personal protection**

**Additional information about design of technical systems:** No further data; see section 7.

**Control parameters**

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:** The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:** Not required.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Only use chemical-protective gloves with CE-labeling of category III.

**Material of gloves**

Plastic gloves

Recommended thickness of the material:  $\geq 0.5$  mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

Permeation: Breakthrough time >480 min

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

**Eye protection:** Goggles recommended during refilling.

**Body protection:** Protective work clothing

**9 Physical and chemical properties**

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Fluid
<b>Color:</b>	Whitish
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	Not determined.

**pH-value at 20 °C (68 °F):** 8

**Change in condition**

<b>Melting point/Melting range:</b>	0 °C (32 °F)
<b>Boiling point/Boiling range:</b>	100 °C (212 °F)

**Flash point:** Not applicable.

**Flammability (solid, gaseous):** Not applicable.

**Decomposition temperature:** Not determined.

**Auto igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapor pressure at 20 °C (68 °F):** 23 hPa (17.3 mm Hg)

**Density at 20 °C (68 °F):** 1 g/cm<sup>3</sup> (8,345 lbs/gal)

**Relative density** Not determined.

**Vapor density** Not determined.

**Evaporation rate** Not determined.

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<b>Solubility in / Miscibility with Water:</b>	Fully miscible.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
Dynamic at 20 °C (68 °F):	15 mPas
Kinematic:	Not determined.
<b>Solvent content:</b>	
Organic solvents:	0.0 %
Water:	97.0 %
VOC (USA, EPA Method 24/24A)	-
<b>Other information</b>	No further relevant information available.

**10 Stability and reactivity**

**Reactivity** No further relevant information available.  
**Chemical stability**  
**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.  
**Possibility of hazardous reactions** No dangerous reactions known.  
**Conditions to avoid** No further relevant information available.  
**Incompatible materials:** No further relevant information available.  
**Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological information**

**Information on toxicological effects**  
**Acute toxicity:**  
**Primary irritant effect:**  
**on the skin:** No irritant effect.  
**on the eye:** No irritating effect.  
**Respiratory or skin sensitization:** No sensitizing effects known.  
**Additional toxicological information:**  
 The product is not subject to classification according to internally approved calculation methods for preparations:  
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)**  
 None of the ingredients is listed.

**NTP (National Toxicology Program)**  
 None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**  
 None of the ingredients is listed.

**12 Ecological information**

**Toxicity**  
**Aquatic toxicity:** No further relevant information available.  
**Persistence and degradability** Easily biodegradable  
**Behavior in environmental systems:**  
**Bioaccumulative potential** No further relevant information available.  
**Mobility in soil** No further relevant information available.  
**Additional ecological information:**  
**General notes:** Not hazardous for water.

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**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

**13 Disposal considerations**

**Waste treatment methods**

**Recommendation:** Smaller quantities can be disposed of with household waste.

**Uncleaned packagings:**

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

**Recommended cleansing agent:** Water, if necessary with cleansing agents.

**14 Transport information**

<b>UN-Number</b> DOT, ADR/RID/ADN, ADN, IMDG, IATA	Void
<b>UN proper shipping name</b> DOT, ADR/RID/ADN, ADN, IMDG, IATA	Void
<b>Transport hazard class(es)</b> DOT, ADR/RID/ADN, ADN, IMDG, IATA Class	Void
<b>Packing group</b> DOT, ADR/RID/ADN, IMDG, IATA	Void
<b>Environmental hazards:</b> <b>Marine pollutant:</b>	No
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
<b>UN "Model Regulation":</b>	Void

**15 Regulatory information**

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

Sara

**Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

**Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

**TSCA (Toxic Substances Control Act):**

7732-18-5 | Water, distilled, conductivity or of similar purity

ACTIVE

**Hazardous Air Pollutants**

None of the ingredients is listed.

**Proposition 65**

**Chemicals known to cause cancer:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

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**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Carcinogenicity categories**

**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**Keep out of reach of children** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

**Relevant phrases**

H319 Causes serious eye irritation.

**Department issuing SDS:** Environment protection department.

**Date of preparation / last revision** 01/20/2020 / 6

**Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

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

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

EC50: Effective Concentration, 50 percent

IOELVS: Indicative Occupational Exposure Limit Values

mPa.s: milliPascal per second

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

**\* Data compared to the previous version altered.**

**Disclaimer**

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