

Glossy

Article number: 109003

Buehler GmbH

D-40599 Düsseldorf



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1 Identification of the substance / preparation and of the company

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Use: Antifogging agent
Identified use: Cleaner
Method of operation: See product information.
Company: Buehler GmbH
 In der Steele 2
 D-40599 Düsseldorf / GERMANY
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 Fax: 0800 707 6274
 Homepage: www.buehler-met.de/en/
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Responsible: Schroeder@chemiebuero.de

2 Hazards identification

Physico-chemical hazards: No particular hazards known.
Human health dangers: If swallowed or in the event of vomiting, risk of product entering the lungs.
Other hazards: none
Hazard symbols: Irritant
R-phrases: R 41: Risk of serious damage to eyes.

3 Composition / Information on ingredients

Range [%]	Substance
10 - <20	Isotridecanol, ethoxylated
	CAS: 9043-30-5, EINECS/ELINCS: 500-027-2 EU-INDEX: ECB-Nr.:
	GHS/CLP: -
	EEC: Xn, R22-41
5 - <10	Docusate sodium
	CAS: 577-11-7, EINECS/ELINCS: 209-406-4 EU-INDEX: ECB-Nr.:
	GHS/CLP: -
	EEC: Xi, R38-41

Comment on component parts: Substances of Very High Concern - SVHC: substances are not contained or below 0,1%.
 For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information: Change soaked clothing.
Inhalation: Ensure supply of fresh air.
 In the event of symptoms seek for medical treatment.
Skin contact: In case of contact with skin wash off immediately with plenty of water.
 Consult a doctor if skin irritation persists.
Eye contact: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion: Consult a doctor immediately.
 Do not induce vomiting.
 Rinse out mouth and give plenty of water to drink.
Advice to doctor: Treat symptomatically.

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5 Fire-fighting measures

Suitable extinguishing media:	Water spray jet. Carbon dioxide. Foam. Dry powder.
Extinguishing media that must not be used:	Full water jet
Special exposure hazards arising from the substance or preparation itself or combustion products:	Unknown risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters:	Use self-contained breathing apparatus.
Additional information:	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6 Accidental release measures

Personal precautions:	High risk of slipping due to leakage/spillage of product.
Environmental precautions:	Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.
Methods for cleaning up:	Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth). Dispose of absorbed material in accordance with the regulations.

7 Handling and storage

Advice on safe handling:	No special measures necessary if used correctly.
Advice on protection against fire and explosion:	No special measures necessary.
Requirements for storage rooms and vessels:	Keep only in original container.
Advice on storage compatibility:	No special measures necessary.
Further information on storage conditions:	Keep container tightly closed.

8 Exposure controls / personal protection

Additional advice on system design:	Ensure adequate ventilation on workstation.
Ingredients with occupational exposure limits to be monitored: (GB)	not applicable
Respiratory protection:	not applicable
Hand protection:	Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
Eye protection:	Safety glasses.
Skin protection:	not applicable
General protective measures:	Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.
Hygiene measures:	Do not eat, drink, smoke or take drugs at work. Wash hands before breaks and after work. Use barrier skin cream.
Delimitation and monitoring of the environmental exposition:	not determined

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9 Physical and chemical properties

Form:	Gel
Color:	yellowish
Odor:	pleasant
pH-value:	~ 7
pH-value [1%]:	not determined
Boiling point [°C]:	not determined
Flash point [°C]:	not applicable
Flammability [°C]:	not applicable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Oxidizing properties:	no
Vapour pressure [kPa]:	< 0,001 (20°C)
Density [g/ml]:	not determined
Bulk density [kg/m³]:	not applicable
Solubility in water:	miscible
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	not applicable
Relative vapour density determined in air:	not applicable
Evaporation speed:	not applicable
Melting point [°C]:	not determined
Autoignition temperature [°C]:	not applicable
Decomposition temperature:	not determined

10 Stability and reactivity

Hazardous reactions:	No hazardous reactions known.
Hazardous decomposition products:	No hazardous decomposition products known.

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	Toxicological data are not available. The product was classified on the basis of the calculation procedure of the preparation directive.

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12 Ecological information

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
COD:	not determined
BOD 5:	not determined
AOX-advice:	No dangerous components.
2006/11/EC:	not applicable
General information:	No classification on the basis of the calculation procedure of the preparation directive.


13 Disposal considerations

Product:	Coordinate disposal with the authorities if necessary.
Contaminated packaging:	Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.
Waste no. (recommended):	070601*

14 Transport information

Classification according to ADR:	NO DANGEROUS GOODS
Classification according to IMDG:	NOT CLASSIFIED AS "DANGEROUS GOODS"
Classification according to IATA:	NOT CLASSIFIED AS "DANGEROUS GOODS"

15 Regulatory information

Exposure scenario:	not determined
Chemical safety report:	not determined
Labelling:	The product is classified and labelled in accordance within EC-directives.
Hazard symbols:	 Irritant
R-phrases:	R 41: Risk of serious damage to eyes.
S-phrases:	S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 39: Wear eye/face protection.
Special labelling:	none
EEC-REGULATIONS:	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EWG (2008/47/EG
TRANSPORT-REGULATIONS:	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2010).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits with amendments October 2007. CHIP 3/ CHIP 4
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable

16 Other informations

R-phrases (Chapter 03):	R 38: Irritating to skin. R 41: Risk of serious damage to eyes. R 22: Harmful if swallowed.
Observe employment restrictions for people:	yes
VOC (1999/13/CE):	<1%
Cleaner, 648/2004/CE, contains:	5% -< 15% anionic surfactant 15% -< 30% non-ionic surfactants

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