

MATERIAL SAFETY DATA SHEET

According EC 91/155

1. Identification of the substance/preparation

MSDS : IC0409-EN
Supplier : ECODOR
 Postbus 161
 3130 AE Vlaardingen
 Nederland
 Tel: +31 10 2481122
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Tradename : EcoShield
General description : ODOUR ELIMINATOR
Use : Miscellaneous
Publicationdate : 2013-09-19
Emergency phonenumber : **+31 (0) 10-2481122**

2. Composition/information on ingredients

Component	Cas-nummer	EG-nummer	Percentage	EG-t
FATTY ALCOHOL POLYGLYCOL EITHER	68439-50-9		<1%	XI;R: 36/38
UREA	57-13-6	200-315-5	<1%	

3. Hazard identification

Skin : Remove residue substance as soon as possible from the skin (f.i. rinse with much water).
Ingestion : Let drink 1 or 2 glasses of water. In case of general disorders call for a doctor.
*** Inhalation** : Not applicable.
Eyes : Rinse for a long time with much water. In case of eye-sight disturbances consult a doctor.
Remarks first aid : none

4. First-aid measures

Emergency and First Aid Procedures : Wash affected area with copious amounts of water. Treat as any mild irritant.

5. Fire fighting measures

Fire-extinguisher : determined by surrounding
Hazardous decomposition products in fire : carbon monoxide

6. Accidental release measures

Spillage procedure : Absorb the liquid in appropriate (e.g. Powersorb, dry sand, diatomite, vermiculite etc.) , shovel the mixture into plastic bags and remove to the central depot for hazardous waste.
Emergency procedure : not applicable

7. Handling and storage

Local exhausting : Under normal circumstances not applicable.
Storage temperature : >15 °C - <55°C.

8. Exposure controls/personal protection

Exposure limits
 not determined FATTY ALCOHOL POLYGLYCOL ETHER UREA
 not determined
 C=Ceiling; S=Skin
Remarks exposure limits ::
 none
 Odour threshold (20°C; 1013 mbar) :
 not traceable
 Advised personal protection:
 skin : butyl rubber gloves
 eyes : safety goggles
 inhalation : none (when sufficient exhausting)

9. Physical and chemical properties

Physical state	: liquid
Colour	: Clear green/amber
Odour	: specific
Vapor rate/range	: not traceable
Boiling point/range	: 100° C (1013 mbar)
Melting point/range	: <0 °C
Flash point/range	: not applicable
Explosive limits	: not applicable
Dust explosions possible in air	: not applicable
Relative density	: ≥1.00 - ≥ 1.08 (water=1) (20 °C)
Vapour pressure	: 2.3 kPa (20 °C)
Solubility in water	: complete
Solubility in fat	: not traceable
pH	: ≥ 6.20 - ≤ 6.80
Viscosity	: not traceable
Autoignition temperature	: not applicable
Decomposition temperature	: not traceable
Electrostatic chargement	: no

10. Stability and reactivity

Conditions to avoid	: none
Reactions with water	: no
Hazardous reactions with	: oxidizing substances
Hazardous decomposition products at heating	: none

11. Toxicological information

Symptoms		
Skin	* local	: The substance is prickling: redness.
	* general	: Probably no absorption worth mentioning
Ingestion	* local	: The substance is prickling: sore throat.
	* general	: Probably no absorption worth mentioning
Inhalation	* local	: Produces no symptoms.
	* general	: Produces no symptoms.
Eyes	* local	: The substance is prickling: redness.
Remarks symptoms		: None
Toxicity		: LD-50: 14,3 g/kg (ORL-RAT), UREA LD-50: > 2.0 g/kg (ORL-RAT), (Total product)

12. Ecotoxicological information

Biological oxygen demand (5)	: 0,09 g/g UREA
Chemical oxygen demand	: not traceable
Biological/chemical oxygen demand ratio	: not traceable
Biochemical factor	: 1 UREA
Log Po/w	: -1,6 UREA
Ecotoxicity	: LC-50: >6810 mg/l/96H (Fish), UREA LC-50: >100 mg/l/96H (Fish), (Total product) EC-50: >100 mg/l/48H (Daphnia), (Total product) IC-50: >100 mg/l/72H (Algae), (Total product)
Remarks on ecotoxicity	: none

13. Disposal considerations

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation. Consider also return delivery to supplier.

14. Transport information

Not subject to Transport-regulation Dangerous Substances.

15. Regulatory information

EC-Label	: not applicable
Remarks, EC-label	: none

16. Other information

Remarks on MSDS	: none
Inner company references	: none
Overview relevant R-sentences from all components in section 2:	
36/38	Irritating to eyes and skin.
Date last update	: 2014-01-16

* Point to alterations with regard to the previous version.

The information provided in this Material Safety Data Sheet is correct to the best of the knowledge, information and belief of ECODOR at the date of its printing.