


**SAFETY DATA SHEET**

(MSDS)

According to Icelandic regulations Nr. 750/2008

**1. Identification of the substance/mixture and of the company/undertaking**

- 1.1 **Product identifier:** 1008 UNDRI Garden cleaner
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against:**  
Use of the substance/preparation: Cleaning garden tools, for example lawnmowers and barbecues and removing vegetation from wood, and concrete.  
Unsuitable usage: No data
- 1.3 **Producer:** **UNDRI ehf.**
- Address: Stapabraut 3A  
Zip code: 260  
City: Reykjanesbaer  
Telephone: 421 6574  
Web page: [www.undri.com](http://www.undri.com)
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- 1.4 **Emergency phone:** Poison Centre provides information around the clock for responses to accidents with hazardous materials. Phone 543 2222.  
Emergency services, police, fire, ambulance; phones 112

**2. Hazards identification**

- 2.1 **Classification of the substance or mixture:**  
**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]:**  
Eye Dam. 1; H318  
**Classification according to 67/548/EEC or 1999/45/EC :**  
**Icelandic regulation 236/1990:**  
Xi: Irritating, S41

- 2.2 **Label elements:**  
**According to regulation EB 1272/2008 (CLP):**

**Hazard Pictograms:****Signal word:** Danger**Hazard statements** H318 Causes Serious eye damage.**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

**Hazardous components which must be listed on the label:**

2-Ethylhexanol ethoxylate

26468-86-0

Classification according to 67/548/EEC or 1999/45/EC:

Icelandic regulation 236/1990 :

Safety markings:



Risk phrases:

R41: Risk of serious damage to eye.

Safety phrases:

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 28: After contact with skin, wash immediately with plenty of water

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### 3 Composition/information on ingredients

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3.1 Substances:

	Identification	Classification	Classification	Contents
	PBT CAS-nr	According to	According to	
	vPvB EB-nr	EB regulation		%
	OEL REACH-nr	1272/2008	EB 67/548	
Alcohol ethoxylate	68439-46-3	Eye Dam. 1; H318	Xi; R41	15-30%
Rape/soy ester	67784-80-9			5-15%
Propanol	71-23-8	H. Flam. ; R11 Eye Dam. 1; H318	F -Xi; R11 -R41 -R67	<3%

*See R-phrases text in section 16. See substance classification in section 2.*

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### 4. First aid measures

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4.1 Description of first aid measures:

General

Safety data sheet should be at hand. If in doubt, seek medical advice.  
Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.

Inhalation

Fresh air. Consult a doctor if symptoms should occur.

Eye contact

Promptly rinse eyes with plenty of water (tempered at 20-30°C) for at least 15 minutes. Remove any contact lenses. Hold eyelids apart. To hospital or eye specialist. Continue rinsing during transportation to a physician

Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). Never give liquid to an unconscious person. Do not induce vomiting. Seek medical attention.

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

See section 11 and section 4.1

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

Other Information

Treat symptomatically.

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### 5. Firefighting measures

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5.1 **Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

5.2 **Special hazards arising from the substance or mixture:**

Fire and explosion hazards: Fire or high temperatures causes formation of: Carbon dioxide (CO<sub>2</sub>).  
Carbon monoxide (CO).

5.3 **Advice for firefighters:** Self-contained breathing apparatus may be required by rescue workers.

In case of evacuation, use escape mask where possible

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## 6. Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions: Use protective equipment as referred to in section 8.  
In case of spills, beware of slippery floors and surfaces.

6.2 Environmental precautions

Do not allow to enter into sewer, water system or soil.

6.3 Methods and material for containment and cleaning up:

Absorb spillage with suitable absorbent material. Collect in a suitable container and dispose as hazardous waste according to section 13.

6.4 Reference to other sections:

see section 8. on personal protection and section 13. on Disposal considerations.

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## 7. Handling and storage

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7.1 Precautions for safe handling:

Handling For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.

7.2 Conditions for safe storage, including any incompatibilities:

Storage Store in tightly closed container. Store dry in a well-ventilated place.

7.3 Specific end use(s):

See section 1.2.

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## 8. Exposure controls/personal protection

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8.1 Control parameters:

Contains no substances with occupational exposure limit values.

8.2 Exposure controls:

Occupational exposure controls:

Effective exhaust ventilation system

Ensure that eyewash stations and safety showers are close to the workstation location

Personal protective equipment

Hand protection	Use neopregloves or other chemical resistant gloves (conforming to EN 374).
Eye protection	Wear safety goggles or face shield (conforming to EN 166). Contact lenses should not be worn when working with this chemical.
Skin protection	Wear appropriate clothing to prevent any possibility of skin contact.
Respiratory protection	Normally not required. Use filtercombination A/P2 against aerosols or while spraying.

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## 9. Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties:

Physical state:	Liquid
Color:	Yellowish
Physical appearance	Clear/cloudy solution
Odour:	Not specified
pH	6-8
Flash point:	100-199 °C
Boiling point:	> 100 °C
Specific weight:	0,98 kg/m <sup>3</sup> at 25 °C
Solubility in water:	Emulsifiable

9.2 Other information: This MSDS contains only information regarding safety and does not contain full information on composition.

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## 10. Stability and reactivity

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10.1 Reactivity:	Stable under normal temperature conditions and recommended use.
10.2 Chemical stability	Stable under normal temperature conditions and recommended use.
10.3 Hazardous decomposition products:	None under normal conditions. During fire, toxic gases (CO, CO <sub>2</sub> ) are formed.

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## 11. Toxicological information

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Component	2-Ethylhexanol ethoxylate		
Potential acute effects:			
Inhalation:	Not relevant at normal room temperatures. When heated, irritating vapours may be formed. Inhalation of aerosols may be irritating to the respiratory system.		
Skin contact:	Prolonged and repeated skin contact will cause defatting and possible irritation.		
Eye contact:	Strongly irritating. Risk of serious damage to eyes.		
Ingestion:	The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.		
Components' toxicological data:			
2-Ethylhexanol ethoxylate:			
LD50 oral	LD50:	> 2 000 mg/kg	
		Test animal species: rat	
		Comments: The value is estimated from tests on similar products	
Delayed effects / repeated exposure			
Sensitisation	Based on available data, the classification criteria are not met.		

Carcinogenic, Mutagenic or Reprotoxic  
Mutagenicity

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

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## 12. Ecological information

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### 12.1 Toxicity:

Ecotoxicity The product is not classified as harmful to the environment.

Components' toxicological data:

2-Ethylhexanol ethoxylate

Acute aquatic, fish:	Method of testing:	Oncorhynchus mykiss
	Value:	LC50: 13 mg/l
	Duration:	96 h

Acute aquatic, Daphnia	Method of testing:	Daphnia magna
	Value:	EC50: 1-10 mg/l
	Duration:	48 h

Acute aquatic, algae:	Method of testing:	Scenedesmus subspicatus
	Value:	6,6 mg/l
	Duration:	48 h

Toxicity to bacteria	Method of testing:	Nitrifying bacteria
	Value:	680 mg/l
	Duration:	4 h

12.2 Persistence and degradability Readily biodegradable.  
Value: > 60%  
Test period: 28 days  
Method of testing: BOD Closed Bottle Test (OECD 301D)  
The surfactants contained in this preparation meet the criteria for biodegradation of Regulation (EC) no. 648/2004 on detergents.  
Comments: Primary biodegradation > 90%

12.3 Bioaccumulative potential Not expected to bioaccumulate.

12.4 Mobility in soil No data

12.5 Results of PBT and vPvB assessment PBT / vPvB assessment not available as chemical safety assessment not is required / not is conducted for the substances in this product.

12.6 Other adverse effects: No data.

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## 13. Disposal considerations

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### 13.1 Waste treatment methods:

Product This product and its packaging must be disposed of as hazardous waste. The waste code (EWC-Code) is intended as a guide. The user must select a code if the use differs from the one mentioned above.

Contaminated packaging: Empty remaining contents. Dispose of as unused product.

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## 14. Transport information

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14.1	UN number	
	ADR	Not dangerous goods
	IMDG	Not dangerous goods
	IATA	Not dangerous goods
	ADN	Not dangerous goods
14.2	Proper shipping name	
	ADR	Not dangerous goods
	IMDG	Not dangerous goods
	IATA	Not dangerous goods
	ADN	Not dangerous goods
14.3	Transport hazard class	
	ADR	Not dangerous goods
	IMDG	Not dangerous goods
	IATA	Not dangerous goods
	ADN	Not dangerous goods
14.4	Packing group	
	ADR	Not dangerous goods
	IMDG	Not dangerous goods
	IATA	Not dangerous goods
	ADN	Not dangerous goods
14.5	Environmental hazards	
	ADR	Not dangerous goods
	IMDG	Not dangerous goods
	IATA	Not dangerous goods
	ADN	Not dangerous goods
14.6	Special precautions for user	
	Not classified as dangerous in the meaning of transport regulations.	

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## 15. Regulatory information

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

Major Accident Hazard Legislation : 96/82/EC Update: 2003  
Directive 96/82/EC does not apply

References (laws/regulations) CHIP Regulations. The Chemicals (Hazard Information and Packaging for Supply) Regulation. Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Regulation (EC) No 1907/2006 (REACH) Annex II: Safety data sheets. Regulation (EC) No 648/2004 of 31 March 2004 on detergents and amendments according to Regulation (EC) No 907/2006 of 20 June 2006. The Hazardous Waste (England and Wales) Regulations 2005 with amendments.  
Dangerous Goods regulations  
Occupational Exposure Limits. EH40/2010

The Safety Data Sheet is based on information provided by the producer. of Ampho OX-91-4 , AmphoChem AB

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## 16. Other information

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The product is registered at the Icelandic Poison Centre(Eitrunarmiðstöð LSH).

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

List of relevant R phrases (under headings 2 and 3).

List of relevant R phrases	R41	Risk of serious damage to eye.
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List of relevant H-phrases	H318	Causes Serious eye damage.
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Further information	Acronyms:	PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
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Source of key data used to compile the safety data sheet

Akzo Nobel Surface Chemistry AB

Safety data sheet according to Regulation (EC) No 1907/2006

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