

SAFETY DATA SHEET

according to Regulation (EC) Nr. 1907/2006



TENAS GRANULES

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Revision date: 3. September 2018

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

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1.3 Details of the supplier of the safety data sheet

Company name: Arcora International GmbH
Street: Marsstraße 9
Place: 85609 Aschheim by Munich
Germany
Tel: +49 (0)89 / 14 33 29 3-0
Fax: +49 (0)89 / 14 33 29 3-29
E-Mail: info@arcora.de

1.4 Emergency telephone number + 49 (0) 89 / 14 33 29 3-10

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to regulation (EC) Nr. 1272/2008

The product is not classified according to the CLP regulation.

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

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification system

The classification corresponds to the actual EG-lists, and additional information from trade literature and company publishing..

2.2 Label elements

Classification according to regulation (EC) Nr. 1272/2008

lapse

Pictograms:

lapse

Signal word:

lapse

Hazard statements:

lapse

Other indications:

The labeling requirements of Regulation 648/2004 / EC Annex VII must be observed.

Additional information:

Contains 2-octyl-2H-isothiazol-3-one and 5-chloro-2-methyl-4-isothiazol-3-one.
Can cause allergic reactions.

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2.3 Other hazards

Results of PBT and vPvB assessment -

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Chemical characterization:

Natural wood flour soaked with a cleaning solution of anionic and nonionic surfactants, fragrances and preservatives.

Description:

Mixture of substances listed below with nonhazardous additions.

Hazardous components:

EG-Nr.	Chemical name	Quantity
CAS-Nr.		
Index-Nr.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH-Nr.		
247-761-7	2-Octyl-2H-isothiazol-3-on	< 0,05 %
26530-20-1		
613-112-00-5	Acute Tox.3, H311; Acute Tox.3, H331; Skin. Corr. 1B, H314; Acute Tox. 4, H302; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 T R23/24; C34; Xn R22; Xi R43; N R50/53	
-		

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % Anionic and nonionic surfactants, perfume preservative
BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE,
CHLORISOTHIAZOLINONE, OCTYLISOTHIAZOLINONE).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of doubt or if symptoms persist, consult a doctor.

After inhalation

Supply fresh air and to be sure call for a doctor.
In case of unconsciousness bring patient into stable side position for transport.

After contact with skin

Wash off immediately with soap and water and rinse thoroughly. In the event of persistent symptoms seek medical treatment.

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After contact with eyes

Rinse open eyes for several minutes under running water. In the event of persistent symptoms seek medical treatment.

After ingestion

Do not induce vomiting. Drink plenty of water, but never give anything to an unconscious person. In case of persistent symptoms consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

Allergical irritations.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically (decontamination, vital functions).

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

CO₂, extinguishing powder or water spray jet with softener additives or with alcohol-resistant foam. Use fire fighting measures that suit the environment.

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

- Carbon monoxide and carbon dioxide
- Nitrogen oxides (NO_x)
- sulfur oxides (SO_x)
- hydrogen chloride (HCl)
- Danger of formation of toxic Pyrolysis products
- Smoke

5.3 Advice for firefighters

Special protective equipment:

Wear full protection suit. Wear self-contained breathing apparatus.

Additional information:

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment (see section 8).

Avoid contact with skin and eyes. Do not inhale fume or spray. In case of release dust/Aerosol only work with a protection mask.

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6.2 Environmental precautions

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents, sawdust).
Ensure adequate ventilation. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

See Section 7 for information on safe handling. Personal protection equipment: see section 8. Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Avoid formation of aerosols. Do not inhale fume or spray. Avoid contact with skin and eyes. Observe TRGS 401 - "Danger due to skin contact - determination, assessment measures".

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Attention of the general rules of the preventing operational fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store container tightly sealed at a cool and dry place with sufficient ventilation.

Advice on storage compatibility

Store away from food.
Store apart from feeding stuff.
Observe the provisions of TRGS 510

Further information about storage conditions:

Protect from heat.
Protect against frost..

Storage class:

10 – 13 other flammable and non-combustible materials.

Classification according to Operational safety regulations (BetrSichV):

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7.3 Specific end uses

The instructions for use must be observed!

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Abschnitt 8: Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen

Additional information about design of technical facilities:

Ensure sufficient ventilation. No further data. See section 7.

8.1 Control parameters

Occupational limit value (TRGS 900)

CAS-Nr.	Chemical name	ppm	mg/m ³	F/m ³	Limit	Child
26530-20-1	2-Octyl-2H-isothiazol-3-on		0,05 E		2(l)	DGF, H, Y

Additional information:

The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Protective and hygiene measures

The usual precautionary measures when handling chemicals should be observed. Soak up, immediately remove soaked clothing. Avoid contact with eyes and skin. Wash hands before breaks and at the end of work. After substance contact, skin cleansing is required. Preventive skin protection by skin protection cream. Details can be found in the general prevention guideline Skin Protection (BGI / GUV-I 8620).

Eye/face protection

Tightly sealed goggles.

Hand protection

Chemical resistant protective gloves (EN 374). The glove material has to be impermeable and resistant to the product / the substance / the preparation. Due to lack of testing, no recommendation can be made on the glove material for the product / preparation / mixture of chemicals. Selection of the glove material considering the breakthrough times, permeation rates and the degradation.

Suitable material: NBR (nitrile rubber).

The selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. Because the product is a preparation of several substances the resistance of glove materials is not predictable and must therefore be checked before use.

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

Personal protection

protective work wear.

Respiratory protection

If the air limit value is exceeded and in the case of unintentional substance release: Short-term filter device (EN 149):

Filter: A-P2

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For details on conditions of use and maximum concentrations of use refer to BGR /
GUV-R 190 - Use of respiratory protective equipment.

9.1 Information on basic physical and chemical properties

Physical stat:	firm, mushy	
Color:	yellow	
Odour:	characteristic	
pH-Value (at 20 °C):	6,5 – 7,5	Prüfnorm
Flammability		
Solid:	not applicable	
Gas:	not applicable	
Lower explosion limits:	the product is not explosive	
Upper explosion limits:	the product is not explosive	
Auto-ignition temperature		
Solid:	not applicable	
Gas:	not applicable	
Decomposition temperature:	not determined	
Density (at 25 °C):	not determined	

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

o decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

Strong oxidants, reducing substances, amines, strong alkalis.

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No hazardous decomposition products if stored and handled as prescribed/indicated.

Acute toxicity

CAS-Nr.	Chemical name				
	Chemical name	Method	Dose	Species	Source
26530-20-1	2-Octyl-2H-isothiazol-3-on				
	oral	LD50	> 5000 mg/kg	ATE	ATE
	oral	LD50	550 mg/kg	Rat	ATE
	dermal	LD50	690 mg/kg	Rabbit	ATE
	inhalativ Dampf	LC50/4h	0,27 mg/l	Rat	ATE

On the skin

No irritant effect

On the eye

No irritant effect

Sensitisation

No sensitizing effect known.

Other information (about experimental toxicology)

Cancerogenic and mutagenic effects, risks to reproduction:

There are currently no indications of carcinogenic, reproductive and teratogenic effects.

Subacute to chronic toxicity

Specific target organ toxicity by single exposure

No classification.

Specific target organ toxicity by repeated exposure

No classification.

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SECTION 12: Ecological information

12.1 Toxicity

CAS-Nr.	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
26530-20-1	2-Octyl-2H-isothiazol-3-on					
	Acute fish toxicity	LC50	0,196 mg/l	96 h	Lepomis macrochirus	
	Acute fish toxicity	LC50	0,047 mg/l		Oncorhynchus mykiss	
	Acute alga toxicity	EC50	0,031 mg/l	48 h	Algae	
	Acute crustacea toxicity	EC50	0,180 mg/l		Daphnia magna	

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Additional ecological information

General notes

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Potentially hazardous to water if large quantities enter subsoil or water body. According to Annex 4 of the Administrative Regulation for Substances Hazardous to Water VwVwS of 27.7.2005 (German regulation) Water hazard class 1 (self-assessment): slightly hazardous for water

12.5 Results of PBT and vPvB assessment

PBT Not applicable.
vPvB Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Advice on disposal

Do not dispose with household waste. Do not empty into drains. Disposal according to instructions of local authorities. Dispose of waste according to applicable legislation. The classification of the waste has to be made according to the European Waste Catalog (EWC).

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European Waste Catalogue

- 20 00 00 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED
- 20 03 00 Other municipal wastes
- 20 03 99 municipal waste not mentioned elsewhere".

Waste code uncleaned packaging

Disposal must be made according to official regulations.

Disposal of uncleaned packings and recommended cleaning

Water, if required in connection with cleansing agents.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN-number No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 4 Packing group

Other relevant information about land transport

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Inland waterways transport (ADN)

14.1 UN-Nummer No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 4 Packing group

Other relevant information about inland waterways transport

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Marine transport (IMDG)

14.1 UN-Nummer No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 4 Packing group

Other relevant information about marine transport

lapse

Air transport (ICAO)

14.1 UN-Nummer No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

14.3 The transport hazard class

14.4 4 Packing group

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Other relevant information about air transport

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14.5 Special precautions for user

Information not provided.

14.6 Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU regulatory information

National regulatory information

Water contaminating class: 1 (self-classification) - slightly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

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H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.