

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Minatol Ergo 2 DV/ HR

Revision date: 11.02.2016

Product code: 355

Page 1 of 8

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Minatol Ergo 2 DV/ HR

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Washing and cleaning products (including solvent based products)
for professional use only

1.3. Details of the supplier of the safety data sheet

Company name:	Wetrok AG	
	Headquarter	
Street:	Steinackerstr. 62	
Place:	CH-8302 Kloten	
Telephone:	+41 (0)43 255 51 51	
e-mail:	chemie@wetrok.ch	
Contact person:	Head Regulatory	Telephone: +41 (0)43 255 53 50
Internet:	www.wetrok.ch	
Responsible Department:	BU Chemicals / Regulatory	
	Mobile + 41 79 657 45 20	

1.4. Emergency telephone number:

Im Notfall (CH): +41 44 251 51 51 (Tel. 145) (Toxikologisches Zentrum)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes serious eye damage.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Decanol ethoxylated

Signal word: Danger**Pictograms:****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/doctor.

Additional advice on labelling

No marking required according to 1999/45/EC, appendix V B, No. 9.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Minatol Ergo 2 DV/ HR

Revision date: 11.02.2016

Product code: 355

Page 2 of 8

2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
26183-52-8	Decanol ethoxylated			1 - < 5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318			
146340-16-1	Alkylpolyglycoether C12-18 EO, n-butyl			1 - < 5 %
	Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 3; H315 H400 H412			
1303-96-4	disodium tetraborate decahydrate; borax decahydrate			0.1 - < 1 %
	215-540-4	005-011-01-1		
	Repr. 1B; H360FD			

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

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

5 % - < 15 % non-ionic surfactants, preservation agents (Benzisothiazolinone, Methylisothiazolinone).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

No known symptoms to date. In all cases of doubt, or when symptoms persist, seek medical advice.

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

Treat symptomatically. May produce an allergic reaction. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Minatol Ergo 2 DV/ HR

Revision date: 11.02.2016

Product code: 355

Page 3 of 8

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

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.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes. Observe instructions for use.

Advice on protection against fire and explosion

The product is not: Combustible.

The product is not: Explosive.

Further information on handling

No special handling instructions are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Protect against direct sunlight. Store in a cool dry place. Recommended storage temperature: at room temperature

Advice on storage compatibility

No special measures are necessary.

Further information on storage conditions

Minimum storage temperature: 15°C

Maximum storage temperature: 25°C

7.3. Specific end use(s)

Notice the directions for use on the label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Minatol Ergo 2 DV/ HR

Revision date: 11.02.2016

Product code: 355

Page 4 of 8

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1303-96-4	Disodium tetraborate, decahydrate	-	5		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Additional advice on limit values

Exposure limit values: No data available

8.2. Exposure controls

Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.
When using do not eat, drink, smoke, sniff.

Eye/face protection

Wear eye protection/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Tested protective gloves must be worn DIN EN 374

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material 0.2 mm

Breakthrough time (maximum wearing time) 480 min

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state: liquid
 Colour: colourless
 Odour: characteristic

Test method

pH-Value: 9.5 - 10.5

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: No data available

Flash point: No data available

Flammability

Solid: not applicable

Gas: not applicable

Explosive properties

not applicable

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Minatol Ergo 2 DV/ HR

Revision date: 11.02.2016

Product code: 355

Page 5 of 8

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined
Auto-ignition temperature	
Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not determined
Oxidizing properties	
Not oxidising.	
Vapour pressure:	not determined
Vapour pressure:	not determined
Density:	1.008 - 1.018 g/cm ³ ASTM D 7777
Bulk density:	not applicable
Water solubility:	completely miscible
Solubility in other solvents	
not determined	
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapour density:	not determined
Evaporation rate:	not determined

9.2. Other information

Solid content:	not determined
none	

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Conditions to avoid: frost. Protect from sunlight.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

This article doesn't contain dangerous substances or preparations intended to be released under normal or reasonably foreseeable conditions of use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Minatol Ergo 2 DV/ HR

Revision date: 11.02.2016

Product code: 355

Page 6 of 8

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
26183-52-8	Decanol ethoxylated				
	oral	ATE 500 mg/kg			

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Additional information on tests

Classification according to Regulation (EC) No 1272/2008 [CLP] The product has not been tested.

SECTION 12: Ecological information
12.1. Toxicity

The product is not: Ecotoxic.

12.2. Persistence and degradability

The surfactant contained in this mixture complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term damage to the environment is unlikely.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1303-96-4	disodium tetraborate decahydrate; borax decahydrate	-1,53

12.4. Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

There are no data available on the mixture itself.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations
13.1. Waste treatment methods

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Minatol Ergo 2 DV/ HR

Revision date: 11.02.2016

Product code: 355

Page 7 of 8

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

Waste disposal number of used product

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

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

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol 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

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):
disodium tetraborate decahydrate; borax decahydrate

Restrictions on use (REACH, annex XVII):

Entry 30: disodium tetraborate decahydrate; borax decahydrate

Additional information

To follow: Regulation (EC) No. 648/2004 (Detergents regulation), 850/2004/EC, 1107/2009/EC, 649/2012/EC.

National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Minatol Ergo 2 DV/ HR

Revision date: 11.02.2016

Product code: 355

Page 8 of 8

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H360FD	May damage fertility. May damage the unborn child.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Further Information

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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)