

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006  
(REACH)



**Trade name :** Intensive

**Revision date :** 16-07-2021

**Print date :** 16-07-2021

**Version (Revision) :** 3.0.0 (2.0.0)

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

### 1.1 Product identifier

Intensive

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses**

Cleaner

**Uses advised against**

Other

### 1.3 Details of the supplier of the safety data sheet

**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

Raw Stones

**Street :** Vergelt 2

**Postal code/city :** NL-5991 PK BAARLO

**E-mail :** info@rawstones.nl

**Telephone :** +31 6 - 23 020 098

### 1.4 Emergency telephone number

+31 6 - 23 020 098

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Met. Corr. 1 ; H290 - Corrosive to metals : Category 1 ; May be corrosive to metals.

Skin Corr. 1 ; H314 - Skin corrosion/irritation : Category 1 ; Causes severe skin burns and eye damage.

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

### 2.2 Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms**



Corrosion (GHS05)

**Signal word**

Danger

**Hazard components for labelling**

[[[(2-HYDROXYETHYL)IMINO]DIMETHYLENE]BISPHOSPHONIC ACID, SODIUM SALT ; CAS No. : 22036-78-8

SODIUM HYDROXIDE ; CAS No. : 1310-73-2

**Hazard statements**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

**Precautionary statements**

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

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006  
(REACH)

**Trade name :** Intensive

**Revision date :** 16-07-2021

**Version (Revision) :** 3.0.0 (2.0.0)

**Print date :** 16-07-2021

P303+P361+P353 and easy to do. Continue rinsing.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

## 2.3 Other hazards

None.

## 2.4 Additional information

See section 12 for results of PBT and vPvB assessment.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

[[[2-HYDROXYETHYL]IMINO]DIMETHYLENE]BISPHOSPHONIC ACID, SODIUM SALT ; CAS No. : 22036-78-8

Weight fraction :  $\geq 10 - < 25$  %

Classification 1272/2008 [CLP] : Skin Corr. 1 ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H332

SODIUM HYDROXIDE ; REACH No. : 01-2119457892-27 ; EC No. : 215-185-5 ; CAS No. : 1310-73-2

Weight fraction :  $\geq 10 - < 25$  %

Classification 1272/2008 [CLP] : Met. Corr. 1 ; H290 Skin Corr. 1A ; H314 Eye Dam. 1 ; H318

**This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH**

None.

**This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH**

None.

#### Additional information

Full text of H- and EUH-phrases: see section 16.

### 3.3 Labelling for contents according to regulation (EC) No. 648/2004

phosphonates

5 - < 15 %

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

Provide fresh air.

#### In case of skin contact

Wash immediately with: water and soap.

#### After eye contact

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

#### After ingestion

Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Call a physician immediately.

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

See section 2.

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

None.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006  
(REACH)

**Trade name :** Intensive

**Revision date :** 16-07-2021

**Print date :** 16-07-2021

**Version (Revision) :** 3.0.0 (2.0.0)

## Suitable extinguishing media

Water mist. Foam. Extinguishing powder. Carbon dioxide.

## Unsuitable extinguishing media

Full water jet.

## 5.2 Special hazards arising from the substance or mixture

### Hazardous combustion products

None known.

## 5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

## 5.4 Additional information

The product itself does not burn.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3 Methods and material for containment and cleaning up

#### For containment

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.

#### For cleaning up

Water.

### 6.4 Reference to other sections

See protective measures in section 7 and 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

Wear personal protection equipment (see section 8). Handle and open container with care.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

#### Packaging materials

Keep/Store only in original container.

#### Hints on joint storage

**Storage class (TRGS 510) :** 8B

#### Further information on storage conditions

**Recommended storage temperature :** 5 - 30 °C.

**Protect against :** Frost.

### 7.3 Specific end use(s)

None.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006  
(REACH)

**Trade name :** Intensive

**Revision date :** 16-07-2021

**Version (Revision) :** 3.0.0 (2.0.0)

**Print date :** 16-07-2021

## DNEL-/PNEC-values

### DNEL/DMEL

SODIUM HYDROXIDE ; CAS No. : 1310-73-2

Limit value type :	DNEL Consumer (local)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	1 mg/m <sup>3</sup>
Limit value type :	DNEL Worker (local)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	1 mg/m <sup>3</sup>

## 8.2 Exposure controls

### Appropriate engineering controls

See section 7. No additional measures necessary.

### Personal protection equipment

#### Eye/face protection

Wear solely goggles.

#### Suitable eye protection

Use eye protection according to EN 166, designed to protect against liquid splashes.

#### Skin protection

##### Hand protection

Use impermeable protective gloves.

**By short-term hand contact :** Disposable gloves.

**By long-term hand contact :** Wear suitable gloves tested to EN 374.

**Suitable material :** PVC. Chloroprene rubber. Nitrile rubber. Fluoro rubber.

**Breakthrough time (maximum wearing time) :** > 480 minutes.

**Thickness of the glove material :** > 0.5 mm.

##### Body protection

Wear suitable working clothes.

#### Respiratory protection

Respiratory protection necessary at: insufficient ventilation, insufficient exhaust, aerosol or mist formation.

### General information

Avoid contact with skin, eyes and clothes.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Colour :** colourless

**Odour :** characteristic

#### Safety characteristics

<b>Physical state :</b>			clear liquid
<b>Melting point/freezing point :</b>	<=		0 °C
<b>Initial boiling point and boiling range :</b> ( 1013 hPa )	>=		100 °C
<b>Decomposition temperature :</b>	>		100 °C
<b>Flash point :</b>			not applicable
<b>Auto-ignition temperature :</b>			not applicable
<b>Flammability (solid, gas) :</b>			not applicable
<b>Oxidising liquids :</b>			not oxidising
<b>Lower explosion limit :</b>			not applicable
<b>Upper explosion limit :</b>			not applicable
<b>Explosive properties :</b>			none
<b>Vapour Pressure :</b> ( 20 °C / water )	±		23 hPa
<b>Evaporation rate :</b>			no data available
<b>Density :</b> ( 20 °C )	±		1,3 g/cm <sup>3</sup>
<b>Water solubility :</b> ( 20 °C )			miscible
<b>pH :</b>	>		
<b>Partition coefficient (n-octanol/water) :</b>			no data available

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006  
(REACH)

**Trade name :** Intensive

**Revision date :** 16-07-2021

**Print date :** 16-07-2021

**Version (Revision) :** 3.0.0 (2.0.0)

---

<b>Viscosity :</b>	( 20 °C )	<	1000	mPa.s
<b>Odour threshold :</b>			no data available	
<b>Relative vapour density :</b>	( 20 °C )		no data available	

## 9.2 Other information

This MSDS contains just information relating to safety and does not replace any product information or product specification.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Frost.

### 10.5 Incompatible materials

Acids. Oxidising agents. Metals.

### 10.6 Hazardous decomposition products

Under efficient and purposive use there are no hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Corrosion

##### Skin corrosion/irritation

Causes severe burns.

##### Serious eye damage/eye irritation

Causes serious eye damage.

##### Irritation to respiratory tract

Not an irritant.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

No indication of human carcinogenicity.

##### Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

##### Reproductive toxicity

No indications of human reproductive toxicity exist.

##### Overall Assessment on CMR properties

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

## SECTION 12: Ecological information

### 12.1 Toxicity

No toxic effects are known for this product.

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter :	LC50 ( SODIUM HYDROXIDE ; CAS No. : 1310-73-2 )
Effective dose :	35 - 189 mg/l
Exposure time :	96 h

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006  
(REACH)

**Trade name :** Intensive

**Revision date :** 16-07-2021

**Version (Revision) :** 3.0.0 (2.0.0)

**Print date :** 16-07-2021

## Acute (short-term) toxicity to crustacea

Parameter : EC50 ( SODIUM HYDROXIDE ; CAS No. : 1310-73-2 )  
Species : Ceriodaphnia spec  
Effective dose : 40,4 mg/l  
Exposure time : 48 h

## 12.2 Persistence and degradability

No information available.

### Biodegradation

Parameter : Biodegradation ( SODIUM HYDROXIDE ; CAS No. : 1310-73-2 )  
Degradation rate : < 70 %  
Test duration : 28 day(s)

## 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

## 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

None known.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose of waste according to applicable legislation. Contaminated packages must be completely emptied and can be re-used following proper cleaning.

## SECTION 14: Transport information

### 14.1 UN number

UN 1719

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

CAUSTIC ALKALI LIQUID, N.O.S. ( [[(2-HYDROXYETHYL)IMINO]DIMETHYLENE]BISPHOSPHONIC ACID, SODIUM SALT · SODIUM HYDROXIDE )

#### Sea transport (IMDG)

CAUSTIC ALKALI LIQUID, N.O.S. ( [[(2-HYDROXYETHYL)IMINO]DIMETHYLENE]BISPHOSPHONIC ACID, SODIUM SALT · SODIUM HYDROXIDE )

#### Air transport (ICAO-TI / IATA-DGR)

CAUSTIC ALKALI LIQUID, N.O.S. ( [[(2-HYDROXYETHYL)IMINO]DIMETHYLENE]BISPHOSPHONIC ACID, SODIUM SALT · SODIUM HYDROXIDE )

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

Class(es) : 8  
Classification code : C5  
Hazard identification number (Kemler No.) : 80  
Tunnel restriction code : E  
Special provisions : LQ 1 I  
Hazard label(s) : 8

#### Sea transport (IMDG)

Class(es) : 8  
EmS-No. : F-A / S-B  
Special provisions : LQ 1 I · IMDG-Code segregation group 18 - Alkalis  
Hazard label(s) : 8

#### Air transport (ICAO-TI / IATA-DGR)

Class(es) : 8  
Hazard label(s) : 8

### 14.4 Packing group

II

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006  
(REACH)

**Trade name :** Intensive

**Revision date :** 16-07-2021

**Print date :** 16-07-2021

**Version (Revision) :** 3.0.0 (2.0.0)

## 14.5 Environmental hazards

**Land transport (ADR/RID) :** No

**Sea transport (IMDG) :** No

**Air transport (ICAO-TI / IATA-DGR) :** No

## 14.6 Special precautions for user

None.

## SECTION 15: Regulatory information

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

#### EU legislation

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### Authorisations and/or restrictions on use

##### Restrictions on use

Use restriction according to REACH annex XVII, no. : 3

#### National regulations

##### Water hazard class (WGK)

According self classification - Class : 1 (Slightly hazardous to water)

### 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

### 16.1 Indication of changes

Section 2: Hazards identification. Section 3: Composition / information on ingredients. Section 8: Exposure controls/personal protection. Section 12: Ecological information. Section 14: Transport information. Section 15: Regulatory information.

### 16.2 Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstracts Service

CLP: Classification Labelling Packaging

CMR: Carcinogenic, Mutagenic, toxic for Reproduction

DNEL: Derived No-Effect Level

EC: Effective Concentration

EC: European Commission

EINECS: European Inventory of Existing Commercial chemical Substances

EU: European Union

GHS: Globally Harmonised System

IATA-DGR: Dangerous Goods Regulations by the 'International Air Transport Association'

ICAO-IT: Technical Instructions by the 'International Civil Aviation Organization'

IMDG: International Maritime Code for Dangerous Goods

LC: Lethal Concentration

LD: Lethal Dose

MAC: Maximum Allowable Concentration

NOEC: No Observed Effect Concentration

NOEL: No Observed Effect Level

OECD: Organisation for Economic Cooperation and Development

PNEC: Predicted No-Effect Concentration

PBT: Persistent Bioaccumulative Toxic

REACH: Registration, Evaluation and Authorisation of Chemicals

RID: Regulations concerning the International Transport of Dangerous Goods by Rail

STEL: Short-Term Exposure Limit

STOT: Specific Target Organ Toxicity

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006  
(REACH)

**Trade name :** Intensive

**Revision date :** 16-07-2021

**Version (Revision) :** 3.0.0 (2.0.0)

**Print date :** 16-07-2021

---

TRGS: Technische Regeln für Gefahrstoffe

TWA: Time Weighted Average

UN: United Nations

vPvB: very Persistent very Bioaccumulative

## 16.3 Key literature references and sources for data

None.

## 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

See section 2.

## 16.5 Relevant H- and EUH-phrases (Number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.

## 16.6 Training advice

None.

## 16.7 Additional information

None.

---

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.

---