

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Ravasafe™ ZH-LSF NAT

Revision date: 19.01.2022

Product code: ZHLSF_NAT

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

Ravasafe™ ZH-LSF NAT

Further trade names

This safety data sheet is valid for the following products:

OMX, 1, 1UV, 2, 2UV, 2GN, 4Z2, 6F, 11, 21, 25, 30, 30UV, 32, 51P, 61F, 251.

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

Industrial uses. Injection moulding. Extrusion.

1.3. Details of the supplier of the safety data sheet

Company name: Ravago Distribution Center NV

Street: Moerenstraat 85 A

Place: B 2370 Arendonk

Telephone: +32 (0) 14672511

Telefax: +32 (0) 14672012

e-mail: sdsinfo@ravago.com

Internet: www.ravago.com

1.4. Emergency telephone

+32(0)14672511

number:

Only during office hours (8 am - 5 pm)

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

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements**2.3. Other hazards**

The hazards of this product are mainly associated with its processing

See section 11 for more detailed information on health effects and symptoms

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Plastic compound based on EVA polymer. (CAS No. 24937-78-8)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection!

Provide adequate ventilation.

After inhalation

Provide adequate ventilation.

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Consult physician.

After contact with skin

The melted product can cause severe burns.

Do not use force or solvents to remove product incrustations from affected skin areas.

After contact with molten product, cool skin area rapidly with cold water.

Consult physician.

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After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

Do NOT induce vomiting.

Consult physician.

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

No information available.

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

Burns caused by molten material must be treated clinically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable extinguishing media

none

5.2. Special hazards arising from the substance or mixture

Carbon dioxide (CO₂) Carbon monoxide Nitrogen oxides (NO_x).

5.3. Advice for firefighters

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

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

6.3. Methods and material for containment and cleaning up

Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Refer to section 8 of SDS for personal protection details.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Provide adequate ventilation.

Provide earthing of containers, equipment, pumps and ventilation facilities.

Advice on protection against fire and explosion

Avoid sources of ignition : heat, sparks, open fire.

Further information on handling

Avoid formation of dust. Dust can generate an explosive mixture with air. Foresee adequate extraction. When grinding, take into account measures to avoid dust explosion.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep in a cool place. Provide adequate ventilation.

Advice on storage compatibility

storage temperature: < 40 °C

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7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Protective and hygiene measures

When using do not eat, drink or smoke. Do not breathe dust.

Eye/face protection

Wear eye/face protection.

Hand protection

Wear suitable gloves.

Skin protection

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

Respiratory protection necessary at: In the case of the formation of dust (half-mask with filter (DIN EN 149).)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	Natural
Odour:	typical

Test method

pH-Value:	not applicable
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Changes in the physical state

Melting point:	No information available.
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Initial boiling point and boiling range:	not applicable
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Flash point:	not applicable
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Flammability

Solid:	No information available.
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Explosive properties

In the case of the formation of dust -> Dust explosive, Dust explosion category: ST 1

Lower explosion limits:	No information available.
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Upper explosion limits:	No information available.
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Ignition temperature:	No information available.
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Auto-ignition temperature

Solid:	No information available.
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Decomposition temperature:	No information available.
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Oxidizing properties

not applicable

Vapour pressure:	not applicable
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Density:	No information available.
Bulk density:	No information available.
Water solubility:	insoluble
Partition coefficient:	not applicable
Viscosity / dynamic:	No information available.
Viscosity / kinematic:	No information available.
Vapour density:	not applicable

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Temperatures above thermal decomposition.

10.5. Incompatible materials

strong acids Oxidizing agents.

10.6. Hazardous decomposition productsCarbon dioxide (CO₂). Carbon monoxide Nitrogen oxides (NO_x).**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicocinetics, metabolism and distribution**

No information available.

Acute toxicity

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

Irritation and corrosivity

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.

Further information

When used and handled according to the specifications, this product does not have any harmful effects to human health according to our experience and the information available. Contact the manufacturer in case the material is to be used in special applications such as in contact with food or for hygiene, medical or surgical

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end-use.

SECTION 12: Ecological information**12.1. Toxicity**

Insoluble in: Water.

12.2. Persistence and degradability

Experience so far shows this product to be inert and not degradable.

12.3. Bioaccumulative potential

Due to the consistency along with the low water solubility of the product, bioavailability is unlikely.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Material recycling possible. Refer to manufacturer or supplier for information on recovery or recycling.

Dispose of waste in own country; otherwise, follow EC regulations. Remove according to the regulations.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)**14.1. UN number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)**14.1. UN number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**14.1. UN number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

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2010/75/EU (VOC): 0%

2004/42/EC (VOC): 0%

National regulatory information**15.2. Chemical safety assessment**

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

SECTION 16: Other information**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

This safety datasheet should be used in conjunction with technical datasheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose than that for which it was intended. This does not in any way excuse the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility. Furthermore, this safety datasheet is made up based on the legal requirements as set by EC 1272/2008 based on information as is available per July 2017 (date of entry into force). That information that is not yet filled in depends on the input we receive from our suppliers following the time scale as foreseen by EC 1272/2008 and depends solely on the registration of the concerned substances.

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