



**Safety Data Sheet**

according to UK REACH Regulation

**muzin 200 SF**

Revision date: 04.01.2023

Product code: 36880000

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**4.1. Description of first aid measures****General information**

Remove contaminated, saturated clothing immediately.

**After inhalation**

Provide fresh air. Call a doctor if you feel unwell.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

If swallowed, seek medical advice immediately and show this container or label.

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

No data available

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

Treat symptomatically.

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

Carbon dioxide (CO<sub>2</sub>), Foam

**Unsuitable extinguishing media**

Water

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

In case of fire may be liberated: Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides

**5.3. Advice for firefighters**

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

Use water spray jet to protect personnel and to cool endangered containers.

**Additional information**

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

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Special danger of slipping by leaking/spilling product.

**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****Other information**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Clear contaminated areas thoroughly.

**6.4. Reference to other sections**

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

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

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**Advice on safe handling**

No special handling advices are necessary.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Advice on general occupational hygiene**

Avoid contact with eyes and skin.

Do not put any product-impregnated cleaning rags into your trouser pockets.

Remove contaminated, saturated clothing immediately.

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

No special handling advices are necessary.

**Hints on joint storage**

Do not store together with: Combustible substance

**Further information on storage conditions**

Protect against: Frost

Keep container tightly closed.

**7.3. Specific end use(s)**

No data available

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
68608-26-4	Natriumsulfonat			
Worker DNEL, long-term		dermal	systemic	3,33 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	0,66 mg/m <sup>3</sup>

**PNEC values**

CAS No	Substance	Value
68608-26-4	Natriumsulfonat	
Environmental compartment		
Freshwater		1 mg/l
Marine water		1 mg/l
Freshwater sediment		723.500.000 mg/kg
Marine sediment		723.500.000 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		868.700.000 mg/kg

**8.2. Exposure controls****Individual protection measures, such as personal protective equipment****Eye/face protection**

Eye glasses with side protection

**Hand protection**

Wear protective gloves. Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Thickness of the glove material: 0,4 mm; Permeation time (maximum wear time): &gt; 480 min

Other information = See information supplied by the manufacturer.

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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. Check leak tightness/impermeability prior to use.

**Skin protection**

Protective apron

**Respiratory protection**

No special measures are necessary.

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

Physical state:	Liquid	
Colour:	amber	
Odour:	like: Hydrocarbons, aromatic	
		<b>Test method</b>
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability		
Solid/liquid:		not determined
Gas:		not determined
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:	100 °C	DIN ISO 2592
Decomposition temperature:		not determined
pH-Value (at 20 °C):	approx. 9,0	
Viscosity / kinematic: (at 40 °C)	22 mm <sup>2</sup> /s	Haake Viscotester
Water solubility: (at 20 °C)		emulsifiable
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Vapour pressure:		not determined
Density (at 20 °C):	0,94 g/cm <sup>3</sup>	DIN 51757
Relative vapour density:		not determined

**9.2. Other information**

Self-ignition temperature	
Solid:	not determined
Gas:	not determined

**Other safety characteristics**

Evaporation rate:	not determined
Solvent separation test:	not determined < 3 %
Pour point:	not determined

**Further Information**

No data available

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

No data available

**10.2. Chemical stability**

Does not decompose when used for intended uses.

**10.3. Possibility of hazardous reactions**

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No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

No special handling advices are necessary.

**10.5. Incompatible materials**

No special handling advices are necessary.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Sulphur dioxide (SO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>)

**Further information**

Does not decompose when used for intended uses.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Irritation and corrosivity**

After eye contact: slightly irritant. According to EC directives or the corresponding national regulations the product does not have to be labelled. To follow: Safety Data Sheet. Has degreasing effect on the skin.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

Adverse human health effects and symptoms: No known symptoms to date.

**Specific effects in experiment on an animal**

No known symptoms to date.

**11.2. Information on other hazards****Other information**

Other adverse effects: No known symptoms to date.

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
68608-26-4	Natriumsulfonat					
	Acute fish toxicity	LL50 mg/l	>10000	96 h	Fish	
	Acute algae toxicity	ErC50 mg/l	1000	72 h	Alge	
	Acute crustacea toxicity	EC50 mg/l	1000	48 h	wirbellose Wasserlebewesen	

**12.2. Persistence and degradability**

Adverse physicochemical effects: Poorly eliminated from water. The product is biodegradable after extended adaptation.

**12.3. Bioaccumulative potential**

Bioaccumulative potential

**12.4. Mobility in soil**

Mobility in soil

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.  
not applicable

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**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****List of Wastes Code - used product**

120109 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; machining emulsions and solutions free of halogens; hazardous waste

**Contaminated packaging**

Recommendation: For cleaning up: FatSolvent

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

**SECTION 14: Transport information****Land transport (ADR/RID)**

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

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

**14.3. Transport hazard class(es):** No dangerous good in sense of these transport regulations.

**14.4. Packing group:** No dangerous good in sense of these transport regulations.

**Other applicable information (land transport)**

No dangerous good in sense of these transport regulations.

**Inland waterways transport (ADN)****Other applicable information (inland waterways transport)**

No dangerous good in sense of these transport regulations.

**Marine transport (IMDG)****Other applicable information (marine transport)**

No dangerous good in sense of these transport regulations.

**Air transport (ICAO-TI/IATA-DGR)****Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

not applicable

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**Other applicable information**

No dangerous good in sense of these transport regulations.

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

Water hazard class (D): 1 - slightly hazardous to water

**Additional information**

Volatile organic compounds (VOC) content in percent by weight: 0 %

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**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): 1,2,9.

**Relevant H and EUH statements (number and full text)**

H319 Causes serious eye irritation.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

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