Material Safety Data Sheet

Completed 11-05-2022
Revision: (date) 02-05-2025
SDS version 1.3

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

1.1. Product Identifier

Trade Name: Soda Blasting Media
Product- no.: -
CAS-no.: 144-55-8

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

Recommended uses:
Chemical industry.

Uses advised against:
This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:
JWL Maskin & Plastfabrik A/S
Teknikervej 4
8722 Hedensted
Danmark
+45 7589 1699
www.jwl.dk

Contact person and E-mail:
Lena Jensen, salg@jwl.dk

The Safety data sheet is completed and validated by:
Mediator ApS, Centervej 2, DK-6000 Kolding. Consultant: DH

1.4. Emergency telephone number

Use your national or local emergency number - For “First aid measures” see section 4.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is not subject to labelling under CLP Regulation No. 1272/2008.

2.2. Label elements

-

Signal word:
-

2.3. Other hazards

-

Additional labelling:
-

Additional warnings
The product does not meet the criteria for PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Sodium hydrogencarbonate	- / -	144-55-8	205-633-8	-	100	-

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
In case of discomfort: Seek fresh air.
Seek medical advice in case of discomfort.

Ingestion:
Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Seek medical advice in case of persistent discomfort.

Skin contact:
Remove contaminated clothing.
Wash the skin thoroughly with water and continue washing for a long time.
Seek medical advice in case of persistent discomfort.

Eye contact:
Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Additional information:
When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes.

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

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Surrounding fire:
Extinguish with powder, foam, carbon dioxide or water mist.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.
Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.
Avoid breathing.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Sweep up/collect spills for possible reuse or transfer to suitable waste containers.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.
Use the product under well-ventilated conditions.
Running water and eye wash equipment should be available.

7.2. Conditions for safe storage, including any incompatibilities
The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.
Keep in tightly closed original packaging.
Store in a dry area.
Storage temperature: < 35 °C

7.3. Specific end use(s)
See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Indicative occupational exposure limit value (IOELV)
-

DNEL/PNEC-values:
No data.

8.2. Exposure controls
There are no exposure scenarios for this product.

Appropriate engineering controls:
Wear the personal protective equipment specified below.
Wash hands before breaks, before using restroom facilities, and at the end of work.

Personal protective equipment:
Respiratory protection:
In case of insufficient ventilation, wear respiratory protective equipment with P2 filter.

Hand protection:
Recommended:
Wear protective gloves made of nitrile rubber (> 0,11 mm). Protective gloves conforming to EN 374.

Eye/face protection:
Wear safety goggles if there is a risk of dust contact with eyes.

Skin protection:
Generally not required.

Environmental exposure controls:
Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Powder
Colour:	White
Odour:	Odourless
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	50
pH:	8,6 (5%)
Kinematic viscosity (mm2/s):	-
Solubility:	Soluble in water
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	2,159 @ 25 °C
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information
None.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reacts with strong acids.

10.2. Chemical stability
The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Avoid heating and contact with ignition sources.

10.5. Incompatible materials
Avoid contact with metals.
Avoid contact with strong acids.

10.6. Hazardous decomposition products
No special precautions regarding contact with other materials at the recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:
Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Sodium hydrogencarbonate	Oral	Rat	LD50	> 4000 mg/kg bw
Sodium hydrogencarbonate	Inhalation	Rat	LC50/ 4 Hours	> 4,74 mg/L air

Skin corrosion/irritation:
May irritate the skin – may cause reddening.

Serious eye damage/irritation:
May cause mechanical irritation.

Respiratory or skin sensitisation:
Based on the existing data, the classification is not met.

Germ cell mutagenicity:
Based on the existing data, the classification is not met.

Carcinogenicity:
Based on the existing data, the classification is not met.

Reproductive toxicity:
Based on the existing data, the classification is not met.

STOT-single exposure:
Inhalation of dust may cause irritation to the upper airways.

STOT-repeated exposure:
Based on the existing data, the classification is not met.

Aspiration hazard:
Based on the existing data, the classification is not met.

11.2. Information on other hazards
Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Sodium hydrogencarbonate	96 Hours	Fish	LC50	7100 mg/L
Sodium hydrogencarbonate	48 Hours	Daphnia	EC50	4100 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data.	-	-	-

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
No data.	-	-

12.4. Mobility in soil
Test data are not available.

12.5. Results of PBT and vPvB assessment
The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties
Test data are not available.

12.7. Other adverse effects
None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
The product is not classified as hazardous waste according to Waste Management. Disposal of spillage and waste via the municipal waste collection service with the specifications below is recommended.

EWC-Code	Description
16 05 09	Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

Specific labelling:
-

Contaminated packaging:
Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

14.1 -14.4.
ADR
-
IMDG/IATA
-

14.5. Environmental hazards
-

14.6. Special precautions for user
-

14.7. Maritime transport in bulk according to IMO instruments
Not relevant.

Completed **11-05-2022**

SECTION 15: Regulatory information

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

Sources:
Commission Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, EU 2017/164 and EU 2019/1831 (the first, second, third, fourth and fifth IOELV Directives).
Directive 2004/37/EC with amendments

Additional labelling:
-

Restrictions for application:
-

Demands for specific education:
-

15.2. Chemical safety assessment
None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:
Sources:
EC regulation 1907/2006 (REACH), with amendments.
EC Regulation 1272/2008 (CLP), with amendments.
Directive 2008/98/EC
ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:
-

Classification according to Regulation (EC) Nr. 1272/2008:
-

Abbreviations and acronyms used in the safety data sheet:
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.
CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
CAS-Number.: Chemical Abstracts Service number.
EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).
DNEL: Derived No Effect Level.
PNEC(s): Predicted No Effect Concentration(s).
STOT: Specific Target Organ Toxicity.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
LC50: Lethal Concentration to 50 % of a test population.
EC50: The effective concentration of substance that causes 50% of the maximum response.
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: Very Persistent and Very Bioaccumulative.
NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.
NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:
General update.

This material safety data sheet replaces version:
1.2