

SAFETY DATA SHEET- SODA ASH

According to regulation (EC) No 1907/2006

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

1.1 Product Identifier

Soda Ash

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

Use of the substance/mixture

Primarily used a source of Sodium in Alkali Glazes. Also used as a deflocculant in preparation of Casting Slip.

1.3 Details of the supplier of the safety data sheet

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1.4 Emergency Telephone Number

+44 (0)1782 271200

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Inhalation- Excessive exposure may cause severe irritation due to alkalinity

Ingestion- Significant oral doses may result in gastro-intestinal perforation

Eyes- May cause physical irritation and inflammation. May cause corneal damage, which is unlikely to be persistent provided prompt removal by washing is carried out.

Skin- May cause physical irritation and inflammation.

Section 3: Composition/information on ingredients

3.1 Chemical Composition

Composition	Component	CAS-No.	EINECS	% of composition
Sodium Carbonate	Na ₂ CO ₃	497-19-8	2078-38-8	>98

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Section 4: First Aid Measures

4.1 Description of first aid measures

Inhalation- Remove patient to fresh air, loosen tight clothing and seek medical attention immediately.

Ingestion- Do not induce vomiting, wash mouth out with water and give 500ml of warm water to drink. Obtain medical attention immediately.

Eyes- Wash immediately with copious amounts of water for at least 10 minutes. Seek medical attention immediately.

Skin- Wash affected areas with plenty of water.

Section 5: Firefighting Measures

Suitable extinguishing media

Extinguishing Media Suitable for surrounding fire conditions.

Exposure Hazards

In the event of a fire the product may emit harmful or toxic fumes.

Special Protective Safety Equipment for Fire Fighting

Self-contained breathing apparatus.

Section 6: Accidental Release Measures

6.1 Personal Precautions, protective equipment and emergency procedures

Respiratory protective equipment

6.2 Methods and material for containment and cleaning up

Use suitable vacuum equipment where reasonably practicable, otherwise damp down and scoop into a receptacle

6.3 Environmental Precaution Measures

Not Specified.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Advice of Safe Handling

Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material.

Advice on protection against fire and explosion

Not Specified

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in dry area

Section 8: Exposure Controls/ Personal Protection

8.1 Control Parameters

Exposure Limits

Not Specified

8.2 Exposure Controls

Engineering Controls

Adequate ventilation should be provided so that Occupational exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.

Personal Protective Equipment

Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information

Appearance- Powder

Colour- White

Odour- Odorless

Flash Point (°C)- Not applicable

Flammability- Not applicable

Explosive Properties- Non-Explosive

Oxidising Properties- None

Specific Gravity- 1.4

pH Value- Alkaline

Melting Point (°C)- Not available

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Section 10: Stability and Reactivity

Chemical Stability

The material is stable

Conditions to Avoid

Avoid moisture and humid atmospheres, acids, lithium, aluminum and phosphorus pentoxide

Hazardous Decomposition Products

Carbon Dioxide

Hazardous Polymerization Products

None

Section 11: Toxicological Properties

11.1 Information on toxicological effects

Acute toxicology LD50 Oral 4090mg/kg

LD50 dermal not known

LD50 inhalation not known

Health effects Prolonged or repeated exposure above Occupational Exposure

Standards may cause sever irritation and inflammation

Section 12: Ecological Information

Ecotoxicity- Not known

Persistence- Not known

Section 13: Waste Disposal

Dispose in accordance with current waste Disposal regulations (for UK - Control of Pollution (Special Waste) Regulations 1980).
Landfill is the most appropriate method.

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Section 14: Transport Information

UN/SI No.- Not classified

UN Class- Not classified

Packing group- Not classified

Road UK- Not classified

ADR- Not classified

Sea IMO- Not classified

Air ICAO- Not classified

Section 15: Regulatory Information

EC Supply Labelling Harmful - irritant

R-Phrases R20/22 harmful by inhalation and if swallowed

R36/37/38 irritating to the eyes, the respiratory system and to the skin

S-Phrases S20/21 when using do not eat, drink or smoke

S22/23 do not breathe dust or spray

S26 in case of contact with eyes rinse immediately with plenty of water and seek medical advice

UK Occupational exposures limits* Mg/m³ 8hr TWA % in product* refer to HSE Guidance note EH40

In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of

Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the user's assessment of workplace risk

Section 16: Other Information

References

COSHH ACOP HSC approved Code of Practice for the Control of Substances.

Hazardous to Health Regulations 1994.

CHIP 96 Chemicals Regulations (Hazard Information and Packaging for Supply) 1996.

CHIP SDS ACOPS HSC Approved Code of Practice for Safety data Sheets in accordance with regulation 6 of the CHIP regulations.

HSE EH40 HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSH regulations.

Footnote

This data sheet is provided under CLP and REACH Regulation and is not intended to constitute an assessment of workplace risk associated with product(s) used as required under any other Health and Safety Regulation.

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

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Date of Review: April 2020

Disclaimer: Every care is taken in compiling this information and is believed accurate and reliable as of the date indicated. However, Valentine Clays Ltd disclaims all liability for any loss, damage or expense arising from any inaccuracy therein. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use.

Section 17: National Legislation

17.1 UK Legislation

SI1993/1746 Chemicals (Hazard Information and Packaging) Regulations 1993

Environmental Protection (Duty of Care) regulations 1992 SI 2839

Carriage of Dangerous goods by Road and Rail Regulations 1994

Control of pollution Act 1974

Environmental Protection Act 1990

Highly Flammable Liquids and Petroleum Spirit Regulations 1972

EH40 Occupational Exposure Limits

SI1988/1657 The Control of Substances Hazardous to Health Regulations

Note - This is not an exhaustive list and users should satisfy themselves that they comply with all relevant National Regulations.

17.2 Important Notes

Design CHIP-002

The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards.

Further reference can be made to our standard terms and conditions of sale, a copy of which is available on request.

Updated Sept 2024