

SAFETY DATA SHEET

Pickle Salt

Teesside Silversmith
Handmade Silver Jewellery and Silversmithing Tuition
Jewellers Tools and Equipment Supplies
& Gemstones and Minerals

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1. Product Information

Pickle Salt is a scale and oxide remover used in solution with water in ratios of 1kg of salt to 4.5 litres of water at room temperature. Proportional mixture quantities are indicated in the table below.

Dry Acid Salt			Water	
(gram)	(kilogram)		(millilitres)	(litres)
50	0.05	225	0.23	
100	0.10	450	0.45	
150	0.15	675	0.68	
200	0.20	900	0.90	
250	0.25	1,125	1.13	
500	0.50	2,250	2.25	
1,000	1.00	4,500	4.50	

2. Composition/Information on Ingredients

Name	%	CAS No.	EIENECS No.	Supply Class	R-Phrases
Sodium Bisulphate	>98	7681-38-1	231-665-7	8	R41

3. Hazard Identification

- Mildly corrosive when in contact with skin, eyes, by ingestion or inhalation.
- Risk of serious damage to eyes.

4. First Aid Measures

Inhalation	Remove from exposure. If breathing stops or shows signs of failing, give artificial respiration. Obtain medical attention urgently. Keep warm and at rest. If there is difficulty in breathing, give oxygen. Do not use mouth to mouth ventilation.
Skin Contact	Immediately flood the skin with large quantities of water, preferably under a shower. Remove contaminated clothing as washing proceeds. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention if blistering occurs or redness persists.
Ingestion	Wash mouth out with water. Give sips of cold water or milk to soothe the affected parts. Do not induce vomiting.
Eye Contact	Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention urgently.

5. Fire Fighting Measures

Extinguishing Media	Not combustible. Use appropriate equipment based on other constituents of fire.
Unusual hazards	May decompose to form toxic fumes of sulphur oxides and sulphuric acid.
Protective Equipment	Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental Release Measures

Ventilate the area to dispel possible toxic decomposition fumes. Wear appropriate protective clothing. Sweep up into suitable containers for recovery or disposal. **Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.**

7. Handling and Storage

Use in well ventilated area. Avoid contact with eyes, skin and clothing. Emergency shower and eye wash facilities should be readily available. Storage area should be cool, covered, well-ventilated, dry and well away from sources of heat or ignition. Water contamination should be avoided. Do not store in metal containers.

8. Exposure Controls/Personal Protection

Appropriate exhaust ventilation or other engineering controls must be used to keep the airborne concentrations of vapours below their respective threshold limit value. Use respiratory protection if there is risk of breathing mists or vapours from heated material. The limit in the EH.40 Occupational Exposure Limits 1991 is -8hr TWA 2.5,g/M2.

Ensure that eyewash stations and safety showers are close to the workstation location. Wash hands after handling compounds and before eating, smoking, using lavatory and at the end of the day.

Personal Protective Equipment

Respiratory	Wear a face mask
Hands	Wear PVC or rubber gloves
Eyes	Wear close-fitting goggles
Skin	Wear non-absorbent clothing such as PVC or rubber suit, PVC or rubber boots

9. Physical and Chemical Properties

Appearance	White Solid
Odour	Slight sulphur
pH	0.5(12% sol) 3(1.2%)
Solubility	Completely soluble in water
Flammability	N/A

10. Stability and Reactivity

This product is a stable white powder. Avoid exposure to water, moisture and high temperatures while in storage. Decomposes in heated air producing toxic and acidic fumes including oxides of sulphur. Avoid strong alkalis, strong oxidising agents, nitrates, chlorate and bleach. Do not store in metal containers.

11. Toxicological Information

Eye Contact	Very hazardous in case of eye contact (irritant).
Skin Contact	Mildly corrosive, causes skin ulceration and dermatitis

12. Environmental Effects

The product is rated as practically non-toxic to aquatic species. High concentrations injure aquatic life by effect on pH.


13. Disposal Considerations

Dispose of in accordance with all applicable local and national regulations.

14. Transport Information

Non-hazardous for transport.

15. Regulatory Information

Hazard Symbol	Corrosive 
Classification	Irritant
Risk Phrases	R41 Risk of serious damage to eyes.
Safety Phrases	S24 Avoid contact with skin. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Product Use	Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.

Legal Disclaimer

The above information is based on the information obtained from the manufacturer of the product at the time of publication (15/10/2010), and is provided in good faith with no warranty implied with respect to the quality or specification of the product. The consumer must satisfy him- or herself that the product is entirely suitable for his or her purpose.