



Gold Star Powders

MATERIAL SAFETY DATA SHEET

1.0 IDENTIFICATION OF THE SUBSTANCE /PREPARATION AND COMPANY

Handi-Pickle

1.1 SUBSTANCE/PREPARATION

Sodium Hydrogen Sulphate
Sodium Bisulphate, Dry Acid

1.2 COMPANY

Goodwin Refractory Services Ltd
Spencroft Road
Newcastle-under-Lyme
Staffordshire ST5 9JE

1.3 EMERGENCY TELEPHONE NUMBER

01782 663600

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

Sodium Hydrogen Sulphate
Classification C;R34-37
EINECS 231-665-7

3.0 HAZARDS IDENTIFICATION

Dust is highly irritating to skin, especially when wet.
Risk of serious damage to eyes.

4.0 FIRST AID MEASURES

Oral: Wash out mouth with water. Do not induce vomiting. If patient is conscious give water to drink. If patient feels unwell seek medical attention.

Eye: Irrigate thoroughly with water for at least 10 minutes. Obtain immediate medical attention.

Skin: Drench the skin with plenty of water. Remove contaminated clothing and wash before re-use. If large areas of this skin is damaged or if irritation persists seek medical attention.

Inhalation: Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical attention immediately. dioxide, foam and dry chemical extinguishing media. Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

5.0 FIRE FIGHTING MEASURES

Suitable Extinguishers - Use extinguisher suitable to cause of fire.

Hazardous combustion products - Oxides of Sulphur.

Special equipment - self contained breathing apparatus.

6.0 ACCIDENTAL RELEASE MEASURES

Personal precautions: See section 8
Exposure controls/personal protection.

Spillage: Avoid creation of dust. Take up dry if possible and hold for re-use or waste disposal.

Residues should be dissolved carefully in plenty of water and neutralised with soda ash or bicarbonate before flushing away.

7.0 HANDLING AND STORAGE

7.1 HANDLING

Avoid contact with skin, eyes and clothing.
Avoid generating dust.

7.2 STORAGE

Store under normal dry conditions. Keep containers closed. Avoid moisture. Keep all containers:

Securely closed

Under controlled availability

Safe so as to avoid accidental spillage

Keep away from other reactive materials such as bleach, nitrates and chlorates.

8.0 EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 EXPOSURE LIMITS

C.A.S. No.	SUBSTANCE NAME	O.E.L. mg/m ³
7681-38-1	Sodium Hydrogen Sulphate	
	Inhalable dust	10
	Respirable dust	5

8.2 PERSONAL PROTECTION

Respiratory: The use of a dust mask or equivalent to EN149 Category FFP2S, and the provision of dust extraction/ventilation where dust is produced are recommended.

Hands: Gloves

Eyes: Goggles

Skin: General protective overalls and boots. Soiled clothing must be adequately laundered to avoid becoming a dust source.

9.0 PHYSICAL AND CHEMICAL APPEARANCE

Appearance: White Powder, crystals

pH: 1.3 @ 1.3% solution

Boiling Point: Not applicable

Melting Point: ca. 180°C

Flash Point: Not applicable

Flammability: Non-flammable

Explosive properties: Not applicable

Solubility in Water: 28g / 100ml H₂O @ 25°C

Bulk Density: 1.4 - 1.5

10.0 STABILITY AND REACTIVITY

Conditions to avoid: Moisture

11.0 TOXICOLOGICAL INFORMATION

Dust is very irritating to respiratory system and skin, especially when wet. Contact with eyes may result in serious damage. Effects of solutions are similar to sulphuric acid.

12.0 ECOLOGICAL INFORMATION

Environmental Effects:
Properties are similar to those of Sulphuric Acid.

Aquatic Toxicity:
LC₅₀ Daphnia Magna, 48h = 190 mg/l

13.0 DISPOSAL CONSIDERATIONS

As required by Local Regulations (e.g. by land-fill) at an approved site. In the U.K. the disposal of waste should be in accordance with the Control of Pollution Act 1974.

14.0 TRANSPORT INFORMATION

Not regulated for transport in the UK.

15.0 REGULATORY INFORMATION

Supply Label Details: Ref. CHIP'96

Label Name: Sodium Hydrogen Sulphate

Symbols: Corrosive

Risk Phrases: 34-37
Causes Burns.
Irritating to respiratory system.

Safety Phrases: 26-36/37/39-45

In case of contact with eyes rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately.

16.0 OTHER INFORMATION

16.1 Additional information may be obtained from:-

Guidance Note EH40 Occupational Exposure Limits is published annually by the Health and Safety Executive. The latest relevant limits should be observed.

HS(G) 37 "An introduction to Local Exhaust Ventilation" and Guidance Note EH44 "Dust in the Work Place" are both available from HM Stationery Office.

Advice on respiratory protective equipment is also given in BS 4275:1974.

16.2 Liability

Such information given on this Material Safety Data Sheet is to the best of Hoben International's knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.

ISSUE DATE MARCH 2010