

Material Safety Data Sheet **HAS-990**

1. Identification of the substance/preparation and of the company/undertaking	
Identification of the product Catalogue No.: MSDS-HAS-990 Product name: HAS-990 Manufacturer /supplier identification Company: Shenzhen Haschem Technique Surface Treatment CO., LTD. Address: 2/F,Block.d2 No.82 road, Song Gang Town. Bao An DISTRICT Shenzhen Telephone: 0755-81398365 Fax: 0755-81713720	
2. Composition/information on ingredients	
Appearance: light yellow liquid Ingredients: NaOH /Triethanolamine/additive / DI water CAS-No.: 1310-73-2 /102- 71-6/ -NA- / 7732-18-5 Conc.: about 2 % / about 3 % /about 55 % / about 40%	
3. Hazards identification	
does not require division of drug-Level.	
4. First aid measures	
Eye and skin contact: rinse out immediately with water for more than 15 minutes. Remove contaminated clothing. After inhalation: fresh air. After swallowing: make victim drink plenty of water, induce vomiting, summon doctor.	
5. Fire-fighting measures	
Suitable extinguishing media: - NIL - Special risks: - NIL -	
6. Accidental release measures	
Clean up affected area.	
7. Handling and storage	
Handling: no further requirements. Storage: tightly closed.	
8. Exposure controls /personal protection	
Specific control parameter EDTA (max. workplace conc.): less than 20 mg/dm <sup>3</sup> Personal protective equipment: Respiratory protection: required when vapors /aerosols are generated. Eye protection: safety goggles Hand protection: gloves Industrial hygiene: change contaminated clothing, wash hands after working with the substance.	



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9. Physical and chemical properties	
Form:	Liquid
Color:	Yellow
Odor:	-NA-
pH value(c):	near 10.0 (25 °C)
Melting temperature:	not available
Boiling temperature:	not available
Ignition temperature:	not available
Flash point:	above 100 °C
Explosion limits:	- NIL -
Relative vapor density:	not available
Density:	1.02 g/cm <sup>3</sup> (25 °C)
Solubility in water:	soluble (25 °C)
Thermal decomposition:	above boiling point
10. Stability and reactivity	
Condition to be avoided:	no information available
Substances to be avoided:	no information available
11. Toxicological information	
After skin contact:	irritations.
After eye contact:	irritations.
After long-term exposure to the chemical: skin lesions and sensitization with allergic manifestations asthma.	
After swallowing:	bloody diarrhoea, fever and collapse.
12. Ecological information	
The following apply to alkaline in general: adjust the pH value of wastewater to 6 ~ 9 before discharging.	
13. Disposal considerations	
Product: We recommend that you contact either the authorities in charge or approved waste disposal companies that will advise you on how to dispose of special waste.	
Packaging:	25 liter /carboy
Disposal in compliance with official regulations. Handle contaminated packaging in the same packaging may be treated like household waste or recycled.	
14. Transport information	
Not subject to transport regulations	
15. Regulatory information	
Symbol:	-NA-
Water pollution class 1 (slightly polluting substance) (own classification)	
16. Other information	
Date of issue: 1 August 2007	



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The information contained herein is based on the present of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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Surface Treatment Co., Ltd.

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