

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME: BRITE-ALL D****DATE: April 22, 2008****SUPPLIER:**

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PRODUCT USE: Scale remover**II. HAZARDS IDENTIFICATION****Hazard classification of product according to Directive 1999/45/EC:** Xi; Irritant**Hazards for humans:** Irritating to eyes and skin.**Hazards for environment:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**III. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.	Toxicity
Sulphamidic acid	016-026-00-0	226-218-8	5329-14-6	60 - 100	Xi; R36/38, 52/53
Magnesium oxide		215-171-9	1309-48-4	1 - 5	

Ingredients according to Directive 2004/648/EC

None

IV. FIRST AID MEASURES**Contact with skin:** Wash exposed area with soap and water and rinse well.**Contact with eyes:** Flush with plenty of water. Get medical attention if irritation persists.**Inhalation:** Not applicable.**Ingestion:** If victim is conscious, give two glasses of water to drink. Call a physician. Do not give anything by mouth to an unconscious person.**V. FIRE FIGHTING MEASURES****Conditions of flammability:** Not flammable.**Means of extinction:** Not applicable.**Hazardous combustion products:** Combustion can produce acid gases (oxides of sulphur).**Unusual fire and explosion hazards:** None**VI. ACCIDENTAL RELEASE MEASURES****Procedures to be followed in case of spills or leaks:** Small amounts - Flush with water.

Large amounts - Contain spill and collect into waste container. Flush spill area with water.

Personal protective equipment to be used: Protective gloves and safety glasses.**VII. HANDLING AND STORAGE****Special handling procedures and equipment:** Not applicable.**Specific storage requirements:** Not applicable.**VIII. EXPOSURE CONTROL/PERSONAL PROTECTION****Respiratory Protection:** Dust mask if necessary.**Protective Gloves:** Nitril or neoprene.**Eye Protection:** Safety glasses.**Additional Protective Equipment:** Not applicable.**Ventilation:** Use with adequate ventilation.**IX. PHYSICAL AND CHEMICAL PROPERTIES****Flashpoint and method of determination:** Not applicable.**Flammable limits (% in air):** LOWER: Not applicable. UPPER: Not applicable.**Auto-ignition temp.:** Not applicable.**Physical State:** Powder**Vapour density:** Not applicable.**Coefficient of n-octanol/water distribution:** Not determined.

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Odour: None
Specific Gravity: 2.1 g/cm³.
Vapour Pressure: Not applicable.
Evaporation Rate: Not applicable.
Solubility in water: Complete

Boiling Point: Not applicable.
Freezing Point: Not applicable.
pH: 1.2 (1% solution)
Colour: Yellow
Odour threshold: Not applicable.

X. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions. Hazardous polymerization will not occur.
Incompatible substances: Avoid strong oxidizing and reducing agents and strong alkaline materials.
Conditions of reactivity: Avoid contamination with reactive substances.
Hazardous decomposition products: None

XI. TOXICOLOGICAL INFORMATION

Probable route of exposure: Dust in eyes.
Exposure Limits: LD₅₀ (Calculated) 3,150 mg/kg
Effect of acute and chronic exposure to product: Irritating to eyes and skin.
Irritating: No
Sensitisation to product: No
Carcinogenicity: Data not available.
Reproductive toxicity: Data not available.
Teratotoxicity: Data not available.
Mutagenicity: Data not available.
Name of toxicologically synergistic product(s): Data not available.

XII. ECOLOGICAL CONSIDERATIONS

Environmental toxicity information: Treat using the best available techniques before discharge into drains or the aquatic environment. (Neutralise with sodium hydroxide).

XIII. DISPOSAL CONSIDERATIONS

For the product: EC disposal code №:
06 01 06 (waste from the manufacture, formulation, supply and use of acids other than sulphuric, sulphurous, hydrochloric, hydrofluoric, phosphoric, phosphorous, nitric or nitrous acids).
For the packaging: EC disposal code №:
15 01 02 (plastic packaging). Can be recycled.

XIV. TRANSPORT INFORMATION

CARRIAGE BY ROAD (CROSSING BORDERS) ADR/RID:

ADR/RID Class: 8 C2
Hazard Identification Number: 80
UN Number: 2967
Packing group: III
Label: 8
UN proper shipping name: SULPHAMIC ACID

TRANSPORT BY SEA IMDG:

IMDG Class: 8
UN Number: 2967
Packing group: III
EMS Number: F-A, S-B
Label: 8
Marine pollutant: No
UN proper shipping name: SULPHAMIC ACID

TRANSPORT BY AIR ICAO-TI and IATA-DGR:

ICAO/IATA Class: 8
UN Number: 2967
Packing group: III

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Label: 8
UN proper shipping name: SULPHAMIC ACID

XV. REGULATORY INFORMATION

Inventory Status: TSCA (USA), CEPA (Canada, DSL), EINECS (EU), China, TCCL (Korea, KECI), RA 6969 (Philippines, PICCS), NICNAS (Australia, AICS), IEC (Japan).

WHMIS CLASSIFICATION: Class E



Danger symbol: Xi, irritant



Risk phrases: 36/38 Irritating to eyes and skin.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advise.

28 After contact with skin, wash immediately with plenty of water.

61 Avoid release to the environment. Refer to special instructions/Safety data sheets. (Section XII).

XVI. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian *Controlled Products Regulations* and the MSDS contains all the information required by the Canadian *Controlled Products Regulations*.

This Material Safety Data Sheet is in conformation with Directive 1907/2006 (REACH) and local legislation.

R-Sentences of ingredients in paragraph II:

36/38 Irritating to eyes and skin.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Replaces: M.S.D. dated: April 22, 2005

Version: 8

Changes to the MSDS in this revision: sections 1, 2, 3, 8, 15, 16

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