

MATERIAL SAFETY DATA SHEET

BLU52 STAIN REMOVER

Section 1 - Product and Company Information

Product detail

Product Name: Sodium hydrogen Sulphate
Synonyms: Sodium acid sulphate, niter cake. 154

Manufacturer/Supplier

Company: Fluidra Waterlinx (Pty) Ltd
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Emergency telephone number: 0861 555 777 (Available 24 hours) (Information of toxicology centre in South Africa)

Section 2 - Composition/Information on Ingredients

Product Name: Stain Remover
Common Name:
Family Name: Organic, Acids and Derivatives
Molecular Formula: NaHSO₄
Molecular Weight: 120.054 g/mol
CAS No.: 7681-38-1

Section 3 - Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Flammability: 0
Reactivity: 0
Health: 2
Hazard Data: Corrosive Irritating
Class or division: 8

Section 4 - First Aid Measures

AFTER INHALATION

May cause irritation of respiratory tract. Inhalation may provoke the following symptoms: Shortness of breath, cough, dry/sore throat If inhaled, wash mouth and nose.

AFTER SKIN CONTACT

May be irritating. Skin contact may provoke the following symptoms: Redness, pain, blisters. Get medical aid. Flush skin with plenty of soap and water while removing contaminated clothing and shoes.

AFTER EYE CONTACT

Causes serious eye damage. Eye contact may provoke the following symptoms: Redness, pain. Flush eyes with plenty of water. Assure adequate flushing of the eyes by separating the eyelids with fingers. Call a physician.

AFTER INGESTION

Ingestion may cause irritation to mucous membranes. Ingestion may provoke the following symptoms: Abdominal pain, burning sensation If swallowed, wash out mouth with water provided person is conscious. DO NOT INDUCE VOMITING

Section 5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Use dry chemical, CO₂, water spray or alcohol resistant foam

SPECIAL RISKS

Account must be taken of the corrosive properties of the resulting fire extinguishing water.

FIRE HAZARD

Non-flammable.

SPECIFIC HAZARDS

Burning produces noxious and toxic fumes: SO_x, NaO_x. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. The pressure in sealed containers can increase under the influence of heat. Vapours may form explosive mixture with air. Vapours are heavier than air and may spread along floors.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus. In the event of fire, cool tanks with water spray.

Section 6 - Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Wear personal protective equipment. See also section 8. Do not breathe vapours or spray mist. Avoid contact with skin and eyes.

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so. Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations. Local authorities should be advised if significant spillages cannot be contained

Section 7 - Handling and Storage

Handling

Handle in accordance with good industrial hygiene and safety practice

Storage

Store in dry, cool, well-ventilated area. Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep container tightly closed and dry. Keep away from open flames, hot surfaces and sources of ignition.

Hygiene Measures

. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before re-use. Keep working clothes separately

Section 8 - Exposure Controls / Personal Protection

Personal protective equipment: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. Respirators with a full face mask (EN136). Recommended Filter type: ABEK/P2 (EN141). Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe (EN138/269 - EN137 - EN139).

Hand protection: Rubber gloves (EN 374): PVC. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.

Eye protection: Tightly fitting safety goggles (EN 166).

Skin and body protection: Chemical-resistant overalls.

Thermal hazard protection: Not required under normal use. Use dedicated equipment.

Engineering measures: Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Ensure that eyewash stations and safety showers are close to the workstation location. Eye wash bottle with pure water. Organizational measures to prevent /limit releases, dispersion and exposure. See also section 7.

Environmental exposure controls: Do not flush into surface water or sanitary sewer system. Comply with applicable Community environmental protection legislation

Section 9 - Physical/Chemical Properties

Physical State:	Granular/Crystals
Color:	White or Light Yellow
Odor:	None
pH:	1,3
Melting point/range:	315 °C
Boiling point/boiling range:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Flammability (solid, gas):	N/A
Explosion limits:	N/A
Vapour pressure:	N/A
Vapour density:	N/A
Relative density:	1, 4 - 1,5 kg/l
Water solubility:	ca. 1080 g/l @ 25°C
Solubility in other solvents:	N/A
Partition coefficient:	n-octanol/water: -2, 2 (KOWWIN)
Auto ignition temperature:	N/A
Decomposition temperature:	460 °C
Viscosity:	N/A
Explosive properties:	N/A
Oxidizing properties:	N/A

Section 10 - Stability and Reactivity

Reactivity

See also section

Chemical stability

Hygroscopic

Possibility of hazardous reactions

Acidic aqueous solution. Gives off hydrogen by reaction with metals.

Conditions to avoid

Avoid dust formation. Avoid moisture, heat. See also section 7: Handling and storage.

Incompatible materials

Hydrolyses in presence of: Water, acidic aqueous solution. Gives off hydrogen by reaction with metals. See also section 7: Handling and storage.

Hazardous decomposition products

Acidic aqueous solution. Gives off hydrogen by reaction with metals. Vapours may form explosive mixture with air.

Section 11 - Toxicological Information

Not Classified.

Skin corrosion/irritation: Not classified (Not classified due to data which are conclusive although insufficient for classification.) pH: 1,3

Serious eye damage/irritation: Causes serious eye damage. pH: 1,3

Section 12 - Ecological Information

Toxicity

Eco toxicity effects: Toxic to aquatic organisms.

Persistence and degradability

Hydrolysis in water

Bioaccumulation

Low potential

Partition coefficient: n-octanol/water: -2,2 (KOWWIN)

Mobility in soil

Highly mobile in soils

PBT/vPvB Assessment

Results of PBT and vPvB assessment: Not required (inorganic)

Section 13 - Disposal Considerations

Prevent product from entering drains. Handle with care. See also section 7. Collect and dispose of waste product at an authorized disposal facility. Dispose of in accordance with local regulations.

Section 14 - Transport Information

Chemical name:	Sodium hydrogen Sulphate
Hazard class number, description:	8
UN identification number:	2837
Packing group:	II
Dot label (s) required:	Corrosive
Emergency response guide number:	154

Section 15 - Regulatory Information

Eye Dam. 1: Serious eye damage/eye irritation Category 1

H318: Causes serious eye damage.

R41: Risk of serious damage to eyes

Section 16 - Other Information

Warranty

The information above is believed to be accurate and represents the best information

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