

MATERIAL SAFETY DATA SHEET

1. Product Name: **GRANT M2**
(ULTRASONIC CLEANING DETERGENT)

2. Composition/Information on Ingredients:

SYNTHETIC ALCOHOL ETHOXYLATE	5 – 15%
SODIUM TRIPOLYPHOSPHATE	1 – 5%
SODIUM DODECYL BENZENE SULPHONATE	1 – 5%
QUATERNIZEDAMINE ETHOXYLATE	5 – 15%

3. Hazards Identification:

This product is Alkaline and as such will cause degreasing of the skin and severe irritation of the eyes.

4. First Aid Measures:

Skin: Remove any contaminated clothing. Wash the affected area thoroughly with copious amounts of soapy water.

Eye: Wash eyes with flowing water for ten minutes gently prising open eyelids to ensure efficient washing. A doctor should see all eye injuries from chemicals.

Ingestion: Do **NOT** induce vomiting except in the presence of, or on the order of a doctor. Seek medical help and take the data sheet. If chemical is confined to the mouth then wash out mouth and do not allow patient to swallow mouthwash. If patient is conscious then give water to drink to dilute the chemical in the stomach. If unconscious then put the patient in the recovery position.

Inhalation: Inhalation is not normally a problem because of the low vapour pressure, but if inhalation takes place, remove the person to an uncontaminated area without taking any unnecessary risk. Treat by normal first-aid procedures.

Other Information: The above actions are those necessary for any chemical which does not have any special medical effects. Contaminated clothing should be removed and washed before re-used.

5. Fire Fighting Measures:

Water mist, foam, carbon dioxide and dry powder.

6. Accidental Release Measures:

Spillage's should be contained by and covered with sand, earth or similar absorbent material. The mixture can then be shovelled into containers. The area can then finally be cleaned with detergent and water.

7. Handling and Storage:

No special precautions are required but ingress of moisture should be avoided in order to protect quality. Prolonged contact with the skin should be avoided as a degreasing action may occur causing dry skin related problems.

8. Exposure Controls / Personal Protection:

Industrial Hygiene:	Normal standards of industrial hygiene should be observed.
Personal Protective:	Normal industrial protection such as overall, gloves, etc. Safety glasses / goggles should be worn
Equipment:	to avoid splashing in the eyes.

9. Physical and Technical Safety Data:

Appearance:	Water white liquid
Boiling/Melting/ Freezing Points:	Boiling point > 200°C Freezing point -7°C
Specific Gravity/Bulk Density:	S.G. 1.06 @ 20°C
Vapour Pressure:	Low because of its high boiling point.

Viscosity:	100 centistokes @ 20°C
Solubility:	Soluble in water.
pH:	10.6 (1% aqueous solution)
Flash Point:	> 200°C Open Cup
Ignition Temperature:	Not determined
Explosion Limits:	Not determined

10. Stability and Reactivity:

Thermal Decomposition: Decomposition will occur at temperature of 150°C and above

Hazardous Decomposition Products: Combustion can produce oxides of carbon

Hazardous Reaction: Avoid strong oxidising agents as for any organic chemical.

11. Toxicological Information:

No specific data available. Sodium Tripolyphosphate and the surfactants have low toxicity.

12. Ecological Information:

No specific data available. Sodium Dodecyl Benzene Sulphonate, Alcohol and Amine Ethoxylates are biodegradable surfactants.

13. Disposal Considerations:

Waste products may be disposed of by landfill or by controlled incineration. National and local legislation concerning the disposal of waste materials must be complied with. In the UK this product is not classified as a special waste.

14. Transport Information:

ADR / RID
IMDG / IMO
IATA / ICAO

Not classified as DG materials as per IATA/ICAO regulations

15. Regulatory Information:

Labelling: Irritant or harmful.

S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 – Wear suitable protective clothing.

R36-38 – Irritating for eyes & skin.

Worker Exposure

Limits: There are no assigned exposure values by any Regulatory Authority.

16. Other:

This product only contains substances that are on the European Inventory of Existing Chemical Substances (EINECS).

Note:

The purpose of the above information is to describe the products only in terms of health and safety requirements. The information given should not, therefore, be construed as guaranteeing specific properties or as a specification. Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.