

Material Safety Data Sheet

Infosafe No™ 5APGH Issue Date : August 2015 Status : ISSUED

Product Name **GREASOLVE**

Classified as hazardous according to criteria of NOHSC.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name GREASOLVE
Product Code ADG20BX
Company Name ITW AAMTech (ABN 63 004 235 063)
Address 1-9 NINA LINK DANDENONG SOUTH
VIC 3175 AUSTRALIA
Emergency Tel. 1800 638 556
Telephone/Fax Number Tel: 1800 177 989
Fax: +61 2 9725 4698
Email info@aamtech.com.au
Recommended Use Biodegradable, quick break granular concrete cleaner/degreaser.
Other Information Website: www.aamtech.com.au
*
Email: info@aamtech.com.au
*
New Zealand
2/38 Trugood Drive, East Tamaki, Auckland
Tel: 0800 438 996

2. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous according to criteria of NOHSC.
Classified as hazardous according to the criteria of Safe Work Australia.
Classified as a Dangerous Good according to the Australian Dangerous Goods Code.
GHS Classification
Corrosive to Metals: Category 1
Skin Corrosion/Irritation: Category 1B
Single Exposure Category 3 (respiratory tract irritation)
Risk Phrase(s) Classified as hazardous according to criteria of NOHSC.
R34 Causes burns.
R37 Irritating to respiratory system.
Safety Phrase(s) S1/2 Keep locked up and out of reach of children.
S13 Keep away from food, drink and animal feeding stuffs.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell seek medical advice immediately

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Solid

Ingredients	Name	CAS	Proportion
	Sodium Metasilicate (pentahydrate)	6834-92-0	60-100 %
	Other ingredients determined not to be hazardous	-	Balance

4. FIRST AID MEASURES

Inhalation Remove the victim from the source of exposure. If the victim is not breathing, apply artificial resuscitation.
Ingestion Give water to drink. DO NOT induce vomiting. If vomiting occurs give further water to achieve effective dilution. Seek medical advice.
Skin Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Seek medical advice if effects persist.
Eye Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
First Aid Facilities Running water and an eye irrigation facility should be readily available.

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Advice to Doctor Treat symptomatically.

Other Information Medical conditions aggravated by exposure: asthma, skin and lung diseases.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use the extinguisher appropriate to the principal fire hazard or to the source of the fire.

Special Protective Equipment for fire fighters Firefighters are to wear self contained breathing apparatus if this product is involved in a fire.

Specific Hazards This product is not flammable under the conditions of use and does not support combustion. However, it will liberate Hydrogen gas on contact with aluminium, zinc and some other metals, thus creating a fire and explosion hazard. Potential sources of ignition should be excluded from the immediate area.

Hazchem Code 2X

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Personnel involved in cleaning up any spills are to wear rubber gloves, chemical goggles and a dust mask. Cordon off the spillage area. Isolate the source of the spillage or leak. Sweep up the spillage (avoiding dust generation) and transfer to sealed containers for use or for disposal. If the product is too contaminated to be used, dispose of in a suitable chemical dump (check the local statutory requirements). Rinse the area with plenty of water.

7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid contact, including inhalation of dust. Wear protective clothing when handling. Use in a well ventilated area.

Conditions for Safe Storage Store in dangerous goods approved plastic containers in a clean, dry, cool, well ventilated place away from foodstuffs, oxidising agents and acids. Avoid contact with moisture. Check regularly for spills or leaks.

Storage Regulations Product is classified as a Dangerous Good and must stored in accordance with local regulations

Unsuitable Materials Do not use store or repack into tin, zinc, galvanised zinc or aluminium containers as in the presence of moisture, the product may corrode the containers and release flammable hydrogen gas. Do not use tin, zinc or aluminium fittings. Store in areas with impermeable floors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No value assigned by Safe Work Australia for any ingredients used in this product. All atmospheric contamination should be kept as low as is practically possible.

Biological Limit Values No biological limit values allocated.

Engineering Controls Natural ventilation adequate under normal conditions of use. Keep containers closed when not in use. Take precautionary measures to prevent dusts becoming airborne during use.

Personal Protective Equipment If handling large amounts of the product, rubber gloves, chemical goggles and a dust mask should be worn. Wear rubber gloves when handling solutions of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Solid

Appearance Free-flowing white granules, pine odour.

Solubility in Water Complete

Specific Gravity 0.94 @ 25°C (tamped bulk density)

pH Value 1% soln 12.4

Vapour Pressure Not Required

Evaporation Rate Not relevant

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Product Name **GREASOLVE**

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Flash Point This product will not flash and does not support combustion.

Flammability This product is not flammable under the conditions of use and does not support combustion. However, this product will liberate hydrogen gas on contact with aluminium, zinc, and some other metals, thus creating a fire and explosion hazard. Potential sources of ignition should be excluded from the immediate area.

10. STABILITY AND REACTIVITY

Chemical Stability Considered stable to heat and light.

Incompatible Materials Oxidising agents, strong acids. In both cases an exothermic reaction will occur.
For storage, do not use aluminium, zinc, galvanised steel or glass containers.

Hazardous Reactions The solution in water is a medium to strong base and reacts with the metals mentioned above to produce hydrogen gas.

11. TOXICOLOGICAL INFORMATION

Inhalation May cause severe irritation of the upper respiratory tract with pain, burns, and inflammation.

Ingestion May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. May be harmful if swallowed.
Oral LD50 (rat) 1153 mg/kg for Sodium Metasilicate Anhydrous. Note this product contains sodium metasilicate pentahydrate which is equivalent to 57.5% of the anhydrous material.

Skin Contact with skin causes irritation and possible burns, especially if the skin is wet or moist. Aqueous solutions of this product are irritating to the skin and may cause skin burns.
Draize test (rabbit) skin 250 mg/24 hour (Severe) for Sodium Metasilicate Anhydrous.

Eye Contact with eyes may cause severe irritation, and possible eye burns.

Chronic Effects Repeated or prolonged skin contact can cause chronic dermatitis. Repeated inhalation of dust may result in irritation of the respiratory tract.

12. ECOLOGICAL INFORMATION

Environ. Protection This product is a highly alkaline, corrosive material and will present a hazard to aquatic organisms where there is a pH change making the water alkaline.
This product should be prevented from entering the environment. The surfactants contained in this product are readily biodegradable. The major component, sodium metasilicate, when diluted in water will yield dissolved silica that is indistinguishable from naturally occurring silica.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Small dilute, neutralised quantities may be flushed to sewer (if permitted by local regulations) otherwise dispose via waste contractor.

Container Disposal Product is classified as a Dangerous Good and is required to be labelled until decontaminated. Uncleaned containers should be disposed to a licensed waste contractor.

14. TRANSPORT INFORMATION

Transport Information Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7.

U.N. Number 3253

Proper Shipping Name DISODIUM TRIOXOSILICATE

DG Class 8

Hazchem Code 2X

Packaging Method 3.8.8

Packing Group III

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IERG Number 37
IMDG UN No 3253
IMDG Description Disodium trioxosilicate
IMDG Hazard Class 8
IMDG Pack. Group III
IMDG EMS F-A, S-B
IMDG Marine Pollutant (MP) No

15. REGULATORY INFORMATION

Regulatory Information Classified as hazardous according to criteria of NOHSC.
HAZARDOUS SUBSTANCE.
SCHEDULED POISON.

Poisons Schedule Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
S5

Hazard Category Corrosive

AICS (Australia) All components of this product are listed on AICS.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS Replaces SDS dated November 2010

Contact Person/Point Australia:
24 HOUR EMERGENCY CONTACT (Chemical Safety International): 1 800 638 556
Poisons Information Centre (Australia): 13 11 26
New Zealand:
24 HOUR EMERGENCY CONTACT (Chemical Safety International): 0800 154 666
NZ National Poisons Centre (24 Hour): 0800 764 766
DISCLAIMER:
This Material Safety Data Sheet summarises at the date of issue to the best of our knowledge, the health and safety hazards of the product and how to safely handle and use the product.
As ITW AAMTech cannot anticipate or control the conditions under which the product is used, customers are encouraged, prior to usage, to assess and control the risks associated with their use of the product.
Data sheets from unauthorised sources may contain information that is no longer current or accurate.
This MSDS is valid for 5 years from date of issue. However, this version may be revoked and revised at any time, and users should contact ITW AAMTech to ensure they are in possession of the latest version.

Literature References LENGA, Robert E. (Ed.) 'Safety', The Sigma-Aldrich Library of Chemical Safety Data, Sigma-Aldrich Corporation, Edition II 1988.
MERCK INDEX - Merck & Company, Rahway, N.J. 1989
AMS

Signature of Preparer/Data Service ...End Of MSDS...

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