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Product Name : **M1 WATER BASED SOUND DEADENER**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	M1 WATER BASED SOUND DEADENER
Product Code	GSMO-sd
Company Name	MotorOne Group Pty Ltd
Address	275 Canterbury Road Canterbury VIC 3126 Australia
Telephone/Fax Number	Tel: (03) 8809 2700 Fax: (03) 9888 6944
Recommended Use	High Build Sound Deadener for metal substrates.

2. HAZARDS IDENTIFICATION

Hazard Classification	NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Styrene-butadiene copolymer	9003-55-8	30-60 %
	Anionic bitumen emulsion	64742-93-4	30-60 %
	Ethanol	64-17-5	0-<10 %
	Other ingredients determined not to be hazardous, including water		to 100%

4. FIRST AID MEASURES

Inhalation	If inhaled, remove the affected person from contaminated area. Apply artificial respiration if not breathing. If symptoms persist seek medical attention.
Ingestion	Do NOT induce vomiting. Wash out mouth and lips thoroughly with water. Seek medical attention.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation develops seek medical attention.
Eye	If in eyes, hold eyelids apart and flush the eyes immediately with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.
First Aid Facilities	Eye wash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Foam, carbon dioxide, dry chemical powder, water spray and water fog.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide and oxides of nitrogen.
Specific Hazards	Once the water component has been driven off the polymer component will burn.
Precautions in connection with Fire	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If

possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for the subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Wear appropriate protective equipment to prevent exposure. Prevent the creation of vapours or mists in the work atmosphere. Keep containers closed when not in use. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Conditions for Safe Storage
Store in a cool, dry well-ventilated area away from heat and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Prevent from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards
No value has been assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia. However, the available exposure limits on the ingredients as assigned by NOHSC are as follows:

Substance	TWA		STEL	
	ppm	mg/m³	ppm	mg/m³
Ethanol	1,000	1,880	-	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values
No Biological limit available.

Engineering Controls
Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof local exhaust ventilation system is required.

Respiratory Protection
Not required under normal conditions of use. However, if engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection
Safety glasses with side shields or goggles as appropriate should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection
Wear gloves of impervious material such as neoprene or rubber. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection
Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Dark brown viscous liquid when wet. Dries to black film.

Melting Point Not available

Boiling Point	100°C approx (water)
Solubility in Water	Soluble
pH Value	Not available
Vapour Pressure	As for water
Vapour Density (Air=1)	>1
Density	1 kg/L
Flash Point	Not applicable
Flammability	Product is not flammable however dried film will burn under fire conditions.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Incompatible Materials	Solvents, strong oxidising agents, strong acids and alkalis.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide and oxides of nitrogen.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data are available for this specific product. The available data for ethanol are as follows: LD50 (Oral, Rat): 7,060 mg/kg LD50 (Oral, Mouse): 3,450 mg/kg LD50 (Inhalation, Rat): 20,000 ppm/10h
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	May cause nausea, abdominal pain and vomiting.
Skin	May cause irritation in contact with the skin, which may result in redness and itchiness.
Eye	May cause eye irritation, tearing, blurred vision and redness.
Chronic Effects	Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence / Degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environ. Protection	Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information	Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

Regulatory Information	Not classified as Hazardous according to criteria of the National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
Poisons Schedule	Not Scheduled
Packaging & Labelling	200 litre drums.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Reviewed: June 2008 Supersedes: December 2002
Contact Person/Point	DISCLAIMER: The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries. ...End Of MSDS...

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