



Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Date of Issue: 11 April 2018

Product Name: **Drum Sealant; Drum Seal**
Synonym(s): **DS200; DS500**

Product Use(s): Leak Sealant, Sealant. Emergency sealant putty for leaks of hydrocarbons and chemicals with pressure up to 1.5 psi.

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture: NOT CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

Label Elements: No signal word, pictograms, hazard or precautionary statement have been allocated.

Other hazards: No information provided.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances / Mixtures

Ingredient	CAS Number	ED Number	Content
BENTONITE	1302-78-9	215-108-5	>60%
ADDITIVE(S)	-	-	Remainder

4. FIRST AID MEASURES

Description of First Aid Measures

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

Ingestion For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

First aid facilities No information provided.

Most important symptoms and affects, both acute and delayed: Adverse health effects are not expected from this product under normal conditions of use.

Immediate medical attention and special treatment: Treat symptomatically.



5. FIRE FIGHTING MEASURES

Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
Special hazards arising from the substance or mixture: Non-flammable. May evolve toxic gases if strongly heated.
Advice for firefighters: No fire or explosion hazard exists.
Hazchem code: None allocated.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.
Environmental precautions: Prevent product from entering drains and waterways.
Methods of cleaning up: If spilt, collect and re-use where possible. Alternatively, contain spillage, then collect and place in suitable containers for disposal.
Reference to other sections: See sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.
Condition for safe storage, including any incompatibilities: Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
Specific end use(s): No information provided.

8. EXPOSURE CONTROLS / PROTECTION

Control parameters:
Exposure Standards No exposure standards have been entered for this product.
Biological Limits No biological limit values have been entered for this product.

Exposure Controls:
Engineering controls Avoid inhalation. Use well in ventilated areas.

PPE:
Eye/Face When using large quantities or where heavy contamination is likely, wear splash-proof goggles.
Hands With prolonged use, wear PVC or rubber gloves.
Body Not required under normal conditions of use.
Respiratory Not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance GRAY PASTE
Odour SLIGHT ODOUR
Flammability NON FLAMMABLE
Flash point NOT RELEVANT
Boiling point NOT AVAILABLE
Melting point NOT AVAILABLE
Evaporation rate NOT AVAILABLE
pH NOT AVAILABLE
Vapour density NOT AVAILABLE
Specific gravity 1.6



Solubility (water)	INSOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Partition coefficient	NOT AVAILABLE
Auto-ignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

10. STABILITY AND REACTIVITY

Reactivity:	Carefully review all information provided in sections 10.2 to 10.6.
Chemical stability:	Stable under recommended conditions of storage.
Possibility of hazardous reactions:	Polymerization is not expected to occur.
Conditions to avoid:	Avoid contact with incompatible substances.
Incompatible materials:	Incompatible with oxidizing agents (eg: hypochlorites), acids (eg: nitric acid) and alkalis (eg: sodium hydroxide).
Hazardous decomposition products:	May evolve toxic gases if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	Information available for the product: No known toxicity data is available for this product. Based on available data, the classification criteria are not met.
Skin	Not classified as a skin irritant. Contact may result in mild irritation.
Eye	Not classified as an eye irritant. Contact may cause discomfort, lacrimation and redness.
Sensitisation	Not classified as causing skin or respiratory sensitization.
Mutagenicity	No evidence of mutagenic effects.
Carcinogenicity	No evidence of carcinogenic effects.
Reproductive	No relevant or reliable studies were identified.
STOT – single exposure	Not classified as causing organ damage from single exposure.
STOT – repeated exposure	Not classified as causing organ damage from repeated exposure.
Aspiration	This product does not present an aspiration hazard.

12. ECOLOGICAL INFORMATION

Toxicity	No information provided.
Persistence and degradability	This product is biodegradable.
Bioaccumulative potential	No information provided.
Mobility in soil	No information provided.
Other adverse effects	No information provided.

13. DISPOSAL CONSIDERATIONS

Waste Treatment methods	
Waste disposal	For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill or waste processing site. Contact the manufacture/supplier for additional information if required.
Legislation	Dispose of in accordance with relevant local legislation.



14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN Number	None Allocated	None Allocated	None Allocated
Proper Shipping Name	None Allocated	None Allocated	None Allocated
Transport Hazard Class	None Allocated	None Allocated	None Allocated
Packing Group	None Allocated	None Allocated	None Allocated
Environmental hazards	No information provided		
Special precautions for user	No information provided		
Hazchem code	None Allocated		

15. REGULATORY INFORMATION

Safety health and environmental regulations / legislation specific for the substance or mixture

Poison schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classifications Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 (2004)].

Hazard codes None allocated.

Risk phrases None allocated.

Safety phrases None allocated.

Inventory listings **AUSTRALIA: AICS (Australian Inventory of Chemical Substances):** All components are listed on AICS, or are exempt.

EUROPE: EINECS (European Inventory of Existing Chemical Substances)

All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information: This product is a temporary seal only. When using with strong acids, alkalis or oxidisers, product may be affected and will not resist degradation for as long as with non-aggressive liquids.

WORKPLACE CONTROLS AND PRACTICES:

Unless a less toxic chemical can be substituted for a hazardous substance, ENGINEERING CONTROLS are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD) (NZ):

Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid



climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number – used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonised System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
Mg/m ³	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	Relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
PPM	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

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[End of SDS]