

BIO-S-SOLVENT BITUMEN H/D DEGREASER

MEGADISTRIBUTORS

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	BIO-S-SOLVENT BITUMEN H/D DEGREASER
Manufacturer's Product Code	
Major Recommended Uses	
Other Names	solvent degreaser
Supplier's Details	Mega Distributors P.O Box 101085 North Shore Mail Centre Phone: +64 9 473 6505
Date of Issue	July 2019

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification	NOT Classified as hazardous according to the criteria of NOHSC.
Dangerous Goods Class & Sub-risk	NOT classified as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.
Poisons Schedule	NOT classified as a Scheduled Poison according to the SUSDP.
Other Names	solvent degreaser
Risk Phrases	None known
Safety Phrases	None allocated

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances".

Ingredients Chemical Entity	CAS No	Proportion	Exposure Standards TWA	Exposure Standards STEL
Fatty acid methyl esters (soy) Ingredients determined to be non-hazardous (mixture of surfactants, glycol ethers and dlimonene)	67784-80-9	> 60% w/w 30 - 60 % w/w	Not set Not set	Not set Not set

The TWA exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

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SECTION 4 – FIRST AID MEASURES

Skin	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Treat skin and clothing with 1% sodium bicarbonate solution or a paste of baking soda to neutralise acid residues. Seek medical attention.
Eye	Immediately flush eyes with large amounts of water for at least 15 minutes, holding eyelids apart to ensure thorough flushing of the entire eye surface. Seek medical attention immediately.
Inhalation	Remove victim from exposure to fresh air. If breathing is laboured, ensure airways are clear and have qualified person give oxygen through a facemask. Seek medical attention. Ingestion: Rinse mouth thoroughly with water immediately and give large quantities of water to drink. Do NOT induce vomiting. Seek immediate medical assistance. Drink a teaspoon or more of milk of magnesia, chalk whiting or raw egg white.
First Aid Facilities	An eye washer or eye wash solution should be present close to work area along with a safety shower if splashing of materials is likely.
Advice to Doctor	There is no specific antidote. Treat the patient symptomatically as for strong acids.
Additional Information	Target organs: None known. The primary route of entry into the body is absorption.

SECTION 5 – FIRE FIGHTING MEASURES

The product is considered combustible. In use, may form flammable/explosive vapour-air mixture.	
Suitable Extinguishing Media	Use carbon dioxide (CO ₂) fire extinguisher, foam, dry chemical powder, water fog or fine water spray.
Special Protective Equipment and Precautions for Fire Fighters	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire. toxic fumes and oxides of sulphur.
Flash Point	> 100 ° C
Risk Phrases	None known
Safety Phrases	None allocated

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	No HAZCHEM code.
Occupational Release	Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. For large spills, or tank rupture, consider initial evacuation distance of 200 metres in all directions. Eliminate any ignition sources. Stop leak if safe to do so. If available, use water spray to disperse vapour. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

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SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
Conditions for Safe Storage	Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission: Time-weighted Average (TWA): None established for specific product. See SECTION 3 for Exposure Limits of individual ingredients. Short Term Exposure Limit (STEL): None established for specific product. See SECTION 3 for Exposure Limits of individual ingredients.
Biological Limit Value	None established for product
Engineering Controls	Avoid generating mists of the product. Use only in a well-ventilated area.
Personal Protective Equipment	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;
Eye Protection	The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
Skin Protection	Wear gloves. Overalls, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.
Protective Material Types	Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.
Respirator	Not required for normal cleaning operations with good ventilation. Where high contaminant spray mist or vapour levels exist, ie, approaching the exposure limit, the following additional equipment is required: For short elevated exposures, eg, spillages:- Appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 and AS/NZS 1716 (Respiratory protective devices). For prolonged exposure and confined spaces:- full face air supplied or self contained breathing apparatus (if vapour levels exceed the Exposure Limit by more than ten times, air supplied apparatus should be used).

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	Clear/straw
Odour	Citrus odour
Specific Gravity	0.8 - 0.9 @ 25 °C
Boiling Point	> 200 °C
Freezing Point	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Flash Point	> 100 °C
Flammable Limits	None
Water Solubility	Miscible
pH	8.5 - 9.5 @ 1% solution
Volatile	Organic
Compounds (VOC)	Not available
Coefficient of Water/Oil Distribution	Not available
Viscosity	Not available
Odour Threshold	Not available
Evaporation Rate	Not available
Per Cent Volatile	Ca 20 % v/v

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	Stable at normal temperatures and pressure
Conditions to Avoid	None known
Incompatible Materials	Oxidizing agents
Hazardous Decomposition Products	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours
Possibility of Hazardous Reactions	None known

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SECTION 11 – TOXICOLOGICAL INFORMATION

PRODUCT MIXTURE INFORMATION	
Local Effects	Mild irritant: eye, skin, inhalation and ingestion
Target Organs	Eyes, mucous membranes, skin
POTENTIAL HEALTH EFFECTS	
INGESTION	
Short term exposure	Harmful if swallowed. Ingestion of this product may cause nausea, vomiting, abdominal pain and irritation to the mouth, throat and stomach. May affect behavior (central nervous system depression, depression) and metabolism.
Long term exposure	No information available.
SKIN CONTACT	
Short term exposure	Mild irritant. Skin contact can cause redness, itching, irritation, if extended contact with concentrated product.
Long term exposure	Prolonged and repeated skin contact with undiluted solutions may induce eczematoid dermatitis. Eye contact
EYE CONTACT	
Short term exposure	Eye contact will cause stinging, blurring, tearing, pain
Long term exposure	No information available
INHALATION	
Short term exposure	Inhalation of mists or aerosols can produce mucous membrane and respiratory irritation
Long term exposure	No information available
CARCINOGEN STATUS	
NOHSC	No significant ingredient is classified as carcinogenic by NOHSC
NTP	No significant ingredient is classified as carcinogenic by NTP
IARC	No significant ingredient is classified as carcinogenic by IARC
Medical conditions aggravated by exposure	No information available
CLASSIFICATION OF INDIVIDUAL INGREDIENTS	
NOTE : This information relates to each individual ingredient, when evaluated as pure undiluted chemical. See SECTION 3 for actual proportions of ingredients present in this product.	
Ingredients	R-Phrases.
Non-hazardous ingredients	None allocated

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SECTION 12 – ECOLOGICAL INFORMATION

Fish toxicity	None available for specific product
Algae toxicity	None available for specific product
Invertebrates toxicity	None available for specific product
Toxicity to Bacteria	None available for specific product
OECD Biological degradation	Individual components stated to be biodegradable
General	Product miscible in all proportions with water. DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal	To dispose of quantities of undiluted product, refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. As with any chemical, do not put down the drain in quantity. The small quantities contained in wash solutions (when used as directed) can generally be handled by conventional sewage systems, septics, and grey water systems. For larger scale use, eg. Commercial laundry operations, a recycled water system is often recommended, or Trade Waste License obtained for disposal to sewer
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SECTION 14 – ECOLOGICAL INFORMATION

UN Number	None allocated
Shipping Name	None allocated
Hazchem Code	None allocated
Packaging Method	None allocated
Segregation	None allocated
ADG Classification	None allocated
ADG Subsidiary Risk	None allocated
Packing Group	None allocated
Special Provisions	None allocated

SECTION 15 – REGULATORY INFORMATION

AICS	None allocated
Labeling Details	None allocated
Hazards	None allocated
Risk Phrases	None allocated
Safety Phrases	None allocated
SUSDP	None allocated
ADG Code	None allocated

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SECTION 16 – OTHER INFORMATION ACRONYMS

SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons.
ADG	Code Australian Code for the Transport of Dangerous Goods by Road and Rail.
CAS	Number Chemical Abstracts Service Registry Number.
UN Number	United Nations Number.
R-Phrases	Risk Phrases.
HAZCHEM	An emergency action code of numbers and letters which gives information to emergency services.
NOHSC	National Occupational Health and Safety Commission.
NTP	National Toxicology Program (USA).
IARC	International Agency for Research on Cancer.
AICS	Australian Inventory of Chemical Substances.
TWA	Time Weighted Average
STEL	Short Term Exposure Limit

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