

MATERIAL SAFETY DATA SHEET

SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER:	Synforce (Aust.) Pty Ltd		
ADDRESS:	2 Ellengowan St, Urangan Queensland Australia 4655		
Trade Name:	BioSOL 110 DEGREASER		
TELEPHONE:	(07) 41253531	FAX:	(07) 41253521
AH EMERGENCY TELEPHONE:	13 1126 in Australia	ABN:	19093612750
Substance:	solvent	Product Use:	solvent degreaser
Creation Date:	OCT 2010	Revision Date:	OCT 2015
Product Code:		E-mail	info@synforce.com.au

SECTION 2 – HAZARDS IDENTIFICATION

- This product is **NOT classified as HAZARDOUS** according to criteria of the National Occupational Health and Safety Commission Australia.
- This product is **NOT classified as Dangerous Goods** according to the Australian Dangerous Goods (ADG) Code.
- This product is **NOT classified as a Scheduled Poison** according to the SUSDP.

Approved Criteria

Classification	None allocated	ADG Classification	none allocated
UN Number	none allocated	ADG Subsidiary Risk	none allocated
Shipping Name	none allocated	Packing Group	none allocated
Hazchem Code	none allocated		
SUSDP Classification	not scheduled		
EMERGENCY OVERVIEW			
Colour	clear/straw	Odour	citrus
Physical Description	Liquid	Viscosity	Non-viscous liquid
Major Health Hazards	None known		

SECTION 3 – COMPOSITION AND 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:	CAS Number:	Proportion:	Exposure Standards TWA	Exposure Standards STEL
fatty acid methyl esters (soy)	67784-80-9	> 60% w/w	not set	not set
Ingredients determined to be non-hazardous (mixture of surfactants, glycol ethers and d-limonene)	Various	30 - 60 % w/w	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

Scheduled Poisons	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 03 474 7000).
First Aid Facilities	Normal washroom facilities.
Skin contact	Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.
Eye contact	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist).
Ingestion	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
Inhalation	Remove victim to fresh air away from exposure - avoid becoming a casualty. Seek medical advice (e.g. doctor).
Advice to Doctor	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
Aggravated Medical Conditions	None known.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Combustible. In use, may form flammable/explosive vapour-air mixture.
Extinguishing Media	Use carbon dioxide (CO ₂) fire extinguisher, foam, dry chemical powder, water fog or fine water spray.
Fire Fighting	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.
Flash Point	> 100 ° C

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

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.
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.
Hazardous Reactions	None known.

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	
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.

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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

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, septic, 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 – TRANSPORT INFORMATION

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

SECTION 15 – REGULATORY INFORMATION

AICS	All ingredients present on AICS.
Labeling Details	
HAZARD	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

Literature References	<p>List of Designated Hazardous Substances [NOHSC:10005(1999)]</p> <p>Australian Code For The Transport Of Dangerous Goods By Road And Rail – Sixth Edition.</p> <p>Standard for the Uniform Scheduling of Drugs and Poisons.</p> <p>National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]</p> <p>Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]</p> <p>Material Safety Data Sheets – individual raw materials – Suppliers.</p> <p>HSIS – Hazardous Substance Information System – National Worksafe Data Base.</p>
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Revision Information	New Issue to standard : 2nd Edition [NOHSC:2011(2003)].
Note	Safety Data Sheets are updated frequently. Please ensure that you have a current copy.
Contact Point	Regulatory Affairs Manager. Telephone (07) 4774 4626
Issue Date	Oct 2010 Supersedes Issue Date 1 ST Issue

Disclaimer

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product and in particular how to safely handle and use the product in the workplace.

Since Synforce (Aust.) Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace i.e. a risk analysis.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Synforce (Aust.) Pty Ltd.