

MATERIAL SAFETY DATA SHEET

Product name: Super Sorb

1. COMPANY DETAILS AND PRODUCT IDENTIFICATION

COMPANY: Hi-Tec Oil Traders Pty Ltd. (ABN 28 053 837 362)
ADDRESS: PO Box 322 Castle Hill NSW 1765
5 Tarlington Place, Smithfield NSW 2164

TELEPHONE NUMBER: 1300 796 009
FAX NUMBER: (02) 9604 1611

EMERGENCY TELEPHONE NUMBER: 1300 796 009

PRODUCT NAME: Super Sorb
OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: HI8-3460-

USE: Cellulose based absorption and encapsulation material for liquid spills.

ADDITIONAL INFORMATION: Refer to Product Information Sheet for additional information.

OTHER INFORMATION: Visit our website: www.hi-tecoils.com.au
Email: hitecoils@hi-tecoils.com.au

2. HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: NON-HAZARDOUS SUBSTANCE
NON-DANGEROUS GOODS

Hazard classification according to criteria of NOHSC.
Dangerous goods classification according to Australian Dangerous Goods Code.

RISK PHRASE (S): S22 Do not breathe dust.
S25 Avoid contact with eyes.

IRRITANCY OF PRODUCT: Not classified as an irritant.

SENSITISATION OF PRODUCT: Not known to be a sensitiser.

TERATOGENICITY: No teratogenic effects known.

OTHER INFORMATION: Used absorbents may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and environment on disposal. All used absorbents should be handled with caution and skin contact avoided as far as possible.

MATERIAL SAFETY DATA SHEET

3. IDENTIFICATION / COMPOSITION OF INGREDIENTS

CHEMICAL CHARACTERISTICS: Solid

INGREDIENTS:-

CHEMICAL ENTITY:	CAS No.	PROPORTION
Cellulose based waste material	Not set	> 90 %
Other non hazardous ingredients	Not set	to 100 %

OTHER INFORMATION: This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

4. FIRST AID MEASURES

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 131126 from anywhere in Australia

HEALTH EFFECTS

SWALLOWED:

If a large quantity is ingested seek immediate medical attention. Give water to drink. DO NOT induce vomiting. If vomiting occurs get immediate medical attention due to aspiration into lungs risk.

EYE:

Quickly and gently brush particles from eyes. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the particles are removed, while holding the eyelid(s) open. Obtain medical attention if irritation persists, or if particles are lodged in surface of the eye(s). Take special care if exposed person is wearing contact lenses.

SKIN:

Gently brush away excess solids. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed. High pressure injection through the skin requires **URGENT** medical attention for possible incision, irrigation and/or debridement. Contact with molten material will require treatment by a physician for burns (Do not remove material).

INHALED:

First aid is not generally required. However as a general rule, remove victim from exposure into fresh air – avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage and seek urgent medical aid.

FIRST AID FACILITIES:

Normal washroom facilities are generally suitable. Ensure an eye wash station and safety shower is available and ready for use.

ADVICE TO DOCTOR:

Treat symptomatically.

OTHER INFORMATION:

Keep water and mild soap near work site.

MATERIAL SAFETY DATA SHEET

5. FIRE FIGHTING MEASURES

FIRE/EXPLOSION HAZARD

HAZARDS OF USE/STORAGE:	Product is a Combustible Solid.
HAZARDS FROM COMBUSTION PRODUCTS:	Carbon dioxide, water, and if combustion is incomplete, carbon monoxide and smoke. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
FIRE-FIGHTING RECOMMENDATIONS:	There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product, if scattered, may form flammable or explosive dust clouds in air. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures. If safe to do so, remove containers from path of fire. Keep storage tanks, pipelines, containers, fire exposed surfaces, etc. cool with water spray. Avoid spreading liquid and fire by water flooding.
PRECAUTION:	Do not scatter spilled material with high pressure water jets.
SUITABLE EXTINGUISHING MEDIA:	Use foam, carbon dioxide, water fog or dry chemical.
PROTECTIVE MEASURES:	Fire fighters should wear self-contained breathing apparatus if risk of exposure to products of combustion.
REACTIVITY:	May react with strong oxidising agents, vegetable and essential oils.

6. ACCIDENTAL RELEASE MEASURES

SPIILLS & DISPOSAL:	Product may be slippery when spilt due to absorbed material. Avoid accidents, clean up immediately. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask.
	CLEAN-UP PROCEDURE - SMALL SPILLS (20L or less): Absorb or contain liquid. Shovel up using non-sparking tools and place in a sound labelled sealable container for subsequent safe disposal. Consider vacuuming if appropriate. Place leaking containers in a sound labelled drum. Scrub contaminated surfaces with detergent solution. Retain washings as contaminated waste.
	CLEAN-UP PROCEDURES - LARGE SPILLS (Greater than 20L): Transfer to a sound labelled, sealable container for product recovery or safe disposal. Treat residues as for small spills.
	PERSONAL PRECAUTIONS: Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. Evacuate the area of non-essential personnel. Shut off leaks, if possible without personal risk. Do not breathe dusts or vapours. Ventilate contaminated area thoroughly. Dispose of according to local regulations.

MATERIAL SAFETY DATA SHEET

6. ACCIDENTAL RELEASE MEASURES (CONT)

OTHER INFORMATION: PROCEDURES IN CASES OF LEAKAGE OR BREAKAGE: Stop the source of the leak or release and contain spill if possible. Ventilate area. Use respirator and protective clothing outlined in this MSDS. Use a stiff brush to mix thoroughly. Sweep up and place in a sound labelled disposable container. Scrub contaminated area with detergent and water using a stiff brush. Pick up liquid with additional absorbent material and place in a sound labelled disposable container. Prevent contamination of groundwater or surface water.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Prevent spillages. Ensure the appropriate personal protective equipment is used when handling this product. Ensure high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking smoking or using the toilet.

SAFE STORAGE CONDITIONS: Keep containers dry and away from water. Keep containers closed at all times. Store in a cool place out of direct sunlight. Store away from oxidising agents, vegetable and essential oils. Check containers regularly for leaks.

CORROSIVENESS: Not corrosive.

STORAGE REGULATIONS: Store in a well ventilated place away from ignition sources, oxidising agents, foodstuffs and clothing.
Keep containers closed when not in use.
Refer to AS 1940 – The Storage and Handling of Flammable Liquids, and NOHSC: 1015 – National Standard for Storage and Handling of Workplace Dangerous Goods for further information.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS: No exposure standard has been established for this product. NOHSC Exposure Standard: Oil mists – time weighted average (TWA) 5 mg/m³ is recommended.

OTHER EXPOSURE INFORMATION: Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

MATERIAL SAFETY DATA SHEET

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT)

ENGINEERING CONTROLS:	Maintain concentration below recommended exposure limit. Special ventilation is not normally required. However, in the operation of certain equipment or at elevated temperatures dusts, mists or vapour may be generated and localised exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standard or the Manufacturer's recommended exposure standard.
RESPIRATORY PROTECTION:	A respirator is not normally required. Airborne concentrations should be kept at lowest level possible. If vapours, mists or dusts are generated and the recommended exposure limit for the product is exceeded, use appropriate AS/NZS 1715/1716 approved half –face filter respirator suitable for organic vapours or air supplied respirator. Air supplied respirators should always be worn when the airborne concentration of the contaminant or the oxygen content of the air is unknown
EYE PROTECTION:	Safety glasses, goggles or face shield as appropriate.
HAND PROTECTION:	PVC gloves.
FOOTWEAR:	Enclosed footwear.
BODY PROTECTION:	Overalls or similar protective apparel.
HYGIENE MEASURES:	Always wash hands before eating, drinking, smoking or using the toilet. If contamination occurs, change clothing. Launder contaminated clothing before reuse. Discard internally contaminated gloves.
SPECIAL PROTECTIVE MEASURES:	Isolate from sources of heat, naked flames or sparks, and vegetable and essential oils.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Powdered solid.
APPEARANCE:	Brown powdered solid.
COLOUR:	Brown
ODOUR:	Mild wood odour.
MELTING POINT:	Decomposes before melting.
BOILING POINT:	Not applicable.
DENSITY @ 15°C (kg/L):	Less than 0.6% (bulk)
FLASHPOINT (ASTM D-93), Closed Cup:	Combustible solid
FLAMMABILITY LIMITS -LOWER:	No data

MATERIAL SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES (CONT)

FLAMMABILITY LIMITS -UPPER:	No data
FLAMMABILITY:	Combustible Solid.
SOLUBILITY IN WATER:	Insoluble. However absorbs water readily.
SOLUBILITY IN ORGANIC SOLVENTS:	Absorbs petroleum solvents.
VAPOUR PRESSURE:	Negligible at normal ambient temperatures.
VAPOUR DENSITY (Air = 1):	No data
VOLATILITY:	Negligible at normal ambient temperatures. Contains small amounts of moisture.
VISCOSITY @ 40 °C (mm ² /s):	Solid
pH:	Water extracts are neutral (pH about 7)
EVAPORATION RATE:	No data
AUTO-IGNITION TEMPERATURE:	No data
EXPLOSION PROPERTIES:	Not considered an explosion risk under normal conditions of use.
OTHER INFORMATION:	These physical data and other properties do not constitute a specification.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	Heat, direct sunlight, open flames or other sources of ignition. Containers should be kept dry.
INCOMPATIBLE MATERIALS:	Strong oxidising agents. Contact with vegetable oils and essential oils may cause considerable heat build, possibly leading to spontaneous combustion. We recommend that you do not use this product in cleaning up that type of spill.
HAZARDOUS REACTIONS:	Will react with strong oxidising agents and vegetable and essential oils.
HAZARDOUS POLYMERISATION:	Will not occur.

MATERIAL SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION

TOXICOLOGY INFORMATION:	There is no data to hand indicating any particular target organs. After use, this product may contain petroleum base oils, which may be refined by various processes including severe solvent extraction, hydro cracking and hydro treating. These oils may not have been listed in the U.S. National Toxicology Program (NTP) Annual Report nor been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans. Oral LD50 ({UDO1}) :{ UDO2} mg/kg.
INHALATION:	Inhalation of dusts, mists or aerosols can produce respiratory irritation.
INGESTION:	May cause mild irritation of the mouth, throat and stomach with nausea and mild diarrhoea. Large amounts can cause vomiting which can lead to aspiration of vomited material into the lungs.
SKIN:	Contact with skin may result in irritation.
EYE:	May cause dryness of eyes. This product is likely to be mechanically irritating. If exposure is minor or brief, no long term effects should result. However, if material is not removed promptly, scratches to surface of the eye may result with long term consequences.
REPRODUCTIVE TOXICITY:	Reproductive effects not known.
CHRONIC EFFECTS:	Prolonged or repeated exposure may result in irritation, with the possibility of dermatitis.
MUTAGENICITY:	Mutagenic effects not known.
CARCINOGENICITY:	Product is not a known carcinogen. No significant ingredient is classified as carcinogenic by IARC, NTP or SWA

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:	This product is biodegradable. It will not accumulate in the soil or water or cause long term problems. Do not allow material to enter drains or watercourses.
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13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:	Dispose of according to federal, E.P.A. and state regulations. In some areas, certain wastes must be tracked. The Hierarchy of Controls seems to be common - the user should investigate: Reduce, Reuse, and Recycle and only if all else fails should disposal be considered. Note that properties of a product may change in use, so that the following suggestions may not always be appropriate. This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If this is not possible, consider controlled incineration, or landfill.
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MATERIAL SAFETY DATA SHEET

14. TRANSPORT INFORMATION

TRANSPORT INFORMATION: Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

POISON SCHEDULE: Not scheduled.

PACKING & LABELLING: No special packaging or labelling requirements.

AUSTRALIAN INVENTORY STATUS: All components are listed or exempted.

16. OTHER INFORMATION

CONTACT PERSON/POINT: General Manager 1300 796 009

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Material Safety Data Sheets are updated frequently. Please ensure you have a current copy.

LITERATURE REFERENCES: * NOHSC: 2011 National Code of Practice for the preparation of Material Safety Data Sheets.
* NOHSC: 1008 Approved Criteria for Classifying Hazardous Substances.
* NOHSC: 10005 List of Designated Hazardous Substances.
* NOHSC: 1005 Control of Workplace Hazardous Substances, National Code of Practice.
* NOHSC: 2007 Control of Workplace Hazardous Substances, National Code of Practice.
* NOHSC: 1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards.
* NOHSC: 3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note.
* NOHSC: 1015 Storage and Handling of Workplace Dangerous Goods, National Standard.
* NOHSC: 2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice.
* SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons
* ADG: Australian Dangerous Goods Code
* MSDS of component materials.

LAST CHANGE: Supersedes document issued: January 2006
Reason/s for revision: Alignment to NOHSC requirements.

GH114050/1
END OF MSDS