



1. PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER

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Product name: EVERSTICK
Revision date: November 16
SDS Number: SDS-ESTICK
Recommended use: Trowellable adhesive for synthetic grass
Emergency contact: 13 11 26

2. HAZARD IDENTIFICATION

This material is not hazardous according to health criteria of Safe Work Australia.

Signal Word(s)

Danger, Warning

Pictogram(s)



Hazard Classification

Flammable Liquids - Category 2
Skin Corrosion/Irritation - Category 2
Hazardous to the aquatic environment, chronic toxicity Category 2
Aspiration Hazard - Category 1
Specific Target Organ Toxicity (Single Exposure) - Category 3

Hazardous statements

H225 - Highly flammable liquid and vapour
H315 - Causes skin irritation
H411 - Toxic to aquatic life with long lasting effects
H304 - May be fatal if swallowed and enters airways
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness

Prevention Precautionary statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/light/ application equipment /equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.



P261 - Avoid breathing dust/fumes/gas/mist/vapours/spray.

P271 - Use only outdoors or in a well-ventilated area.

Response Precautionary statements

P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+378 - In case of fire: Use Carbon Dioxide, (CO₂), Dry Chemical, Foam to extinguish.

P302+352 - IF ON SKIN: Wash with plenty of water.

P332+313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing.

P391 - Collect spillage.

P301+310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician

P331 - Do NOT induce vomiting.

P304+340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a POISON CENTER/ doctor/ physician /if you feel unwell.

Storage Precautionary statements

P403+235 - Store in a well ventilated place. Keep cool.

P405 - Store locked up.

P403+233 - Store in a well ventilated place. Keep container tightly closed.

Disposal Precautionary statements

P501: Dispose of contents/container in accordance with local/international regulations.

Other hazards which do not result in classification

AUH066: Repeated exposure may cause skin dryness or cracking

Dangerous Goods Class: 3 -FLAMMABLE LIQUID

AUSTRALIAN POISONS SCHEDULE (SUSDP): S5

This material is a Schedule Poison and must be stored, maintained and used in accordance with the relevant regulations.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS Number	Concentration
Naphtha (petroleum) hydrotreated light *	64742-49-0	30 - 60
Non-hazardous Ingredients	-	Balance

4. FIRST AID MEASURES**Eye contact**

- Hold eyelids open and immediately flush eyes continuously with running water for 15 minutes. Seek medical attention (doctor or hospital) immediately

Skin Contact

- Wash area(s) with soap and water.
- Remove contaminated clothing.
- If blistering occurs, do NOT break blisters.
- Seek medical attention if irritation, swelling or blisters occur.

Inhalation

- Remove victim to fresh air.
- Remove any contaminated clothing.
- If not breathing give artificial respiration.
- Seek medical attention.
- If breathing laboured, ensure airways are clear.
- Have a qualified person give oxygen if required.

**Ingestion:**

- If swallowed do NOT induce vomiting.
- Rinse mouth with water.
- May give patient a glass of water.
- Never give an unconscious victim anything by mouth.
- Contact a doctor or Poisons Information Centre immediately while keeping victim at rest.
- If vomiting occurs, give further water and get to a doctor or hospital quickly.

NOTES TO PHYSICIAN

Treat symptomatically

5. FIRE FIGHTING MEASURES**Hazchem Code:**

3YE

Suitable extinguishing media

Carbon Dioxide, (CO₂), Dry Chemical, Foam

Specific hazards arising from the chemical

May produce oxides of carbon and nitrogen, smoke and other toxic fumes

Special protective equipment and precautions for fire fighters

Flammable liquid.

May form flammable vapour mixtures with air. Flameproof equipment is necessary in areas where this product is being used. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all sources of ignition and eliminate potential sources (e.g.: open flames, pilot lights, furnaces, spark producing switches, electrical equipment) near the work area. NO Smoking. Take precautions against static electricity discharges. Earth and bond all process equipment, including tanks and drums. Containers can build up pressure and explode if exposed to heat. Containers should be cooled with water spray. If safe to do so, remove containers from path of fire

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing (overalls, gloves and boots) if there is a risk of exposure to vapour or products of combustion

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Small spills**

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rags or paper towels). Collect and seal in properly labelled containers or drums for disposal.

Large spills

Extinguish or remove all sources of ignition and shut off source of leak if safe to do so. Clear area of all unnecessary personnel. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Slippery when wet. Work upwind to increase ventilation.

Environmental precautions**Methods and materials for containment and cleaning up****Large spills**

Dam and contain spill with non-combustible absorbent inert material (vermiculite, dry sand or earth), using non-sparking tools and equipment. Do not flush or allow spillage to enter into drains sewers or watercourses - inform local authority if this occurs. Place into suitable sealed containers and follow state or local authority regulations for disposal of the waste.

7. HANDLING AND STORAGE**Precautions for safe handling**

- Avoid skin and eye contact and avoid breathing vapour.

**Conditions for safe storage, including any incompatibilities**

- Store in cool well-ventilated place, out of direct sunlight.
- Keep away from sources of ignition.
- No smoking. Store away from foodstuffs.
- Store away from incompatible materials described in Section 10.
- Keep containers closed when not in use - check regularly for leaks.
- This material is classified as a Dangerous Goods Class 3 (Flammable Liquid) for the purpose of storage and handling, in accordance with the requirements of the Australian Dangerous Goods Code and must be stored and transported in accordance with the relevant regulations
- This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

Storage incompatibilities

- None known

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**Control parameters – exposure standards, biological monitoring**

Exposure Limits

Material	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
n-Hexane		20	72	
Heptane		400	1640	500
				2050

Source Standards Australia Exposure Standards

Appropriate engineering controls

Use in well ventilated areas. Ensure ventilation is adequate to maintain air concentrations below the Exposure Standards. Use local exhaust system or wear appropriate vapour mask/respirator. Use only flame-proof equipment. Avoid build up of vapour in hollows or sumps as vapour is heavier than air. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal protective equipment (PPE)**Respirator:**

- Use with adequate ventilation.
- Wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716, particularly if inhalation risk exists.

Eye:

- Safety glasses

Hands/Feet:

- Chemical resistant gloves (Nitrile Rubber should be adequate for intermittent contact). Consult local glove supplier if required.
- Wash hands thoroughly with soap and water after use.

Other:**General Skin**

- Overalls
- Wash contaminated overalls before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Thick off-white or green paste (liquid)
Odour	Strong solvent odour
Odour threshold	Not Available



pH	Not Available
Melting point/freezing point	Not Available
Boiling point and boiling range	> 75°C
Flash point	-5°C
Evaporation rate	Not Available
Flammability	Not Available
Upper/lower flammability or explosive limits	Upper: 7.0*, Lower 1.0
Vapour pressure	8.65 kPa
Vapour density	Not Available
Relative density	Approximately 1.0
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	Not Available
Auto-ignition temperature	> 200°C
Decomposition temperature	Not Available
Viscosity	Not Available
Percent Volatility	Approx 50

10. STABILITY AND REACTIVITY**Reactivity: Chemical stability:**

Product is stable when stored as directed.

Conditions to avoid:

Heat, sparks and sources of ignition.

Incompatible materials and possible hazardous reactions:

Oxidising agents.

Hazardous decomposition products:

Oxides of carbon, nitrogen, smoke and other toxic fumes..

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingredient: This product

Acute Effects**Acute Toxicity.**

Acute toxicity estimated at:
No data available

For naphtha solvent:

Oral LD50: >2000 mg/kg

Skin,Eyes: > 15000 mg/kg (mild to moderate irritant) Mild, short lasting discomfort

For n-hexane:

Oral LD50 (rat):15 – 30 mg/kg

Skin Corrosion/irritation

No data available

**Eye damage/irritation**

An eye irritant

Respiratory or skin sensitization

Material may cause irritation to the respiratory system.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Inhalation of vapour can result in headaches, dizziness and possible nausea.

Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and, if prolonged, unconsciousness

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific Target Organ Toxicity – single does

No data available

Specific Target Organ Toxicity – repeated does

Toxicological data suggest that methyl ethyl ketone interacts with and enhances the neurotoxicity of n-hexane in the body.

Exposure to n-hexane air concentrations varying from as little as 30 up to 2500 ppm has been reported to result in clinically overt neuropathy. A rapid onset may occur, particularly if exposed to high air concentrations for period in excess of eight hours per day.

Cases of peripheral neuropathy have been reported amongst Japanese sandal workers and Taiwanese press proofers exposed to n-hexane levels of approximately 50 to 100 ppm respectively for periods in excess of eight hours per day.

Several cross-sectional studies have independently reported mild sub-clinical effects in workers exposed to 20-100 ppm of n-hexane. No clear cases of clinically overt peripheral neurothapy were identified in these studies at exposures less than 100 ppm n-hexane.

Aspiration hazard

If aspirated into the respiratory system during ingestion or vomiting, may cause bronchopneumonia or pulmonary oedema.

Ingestions

Swallowing can result in nausea, vomiting and gastrointestinal irritation.

May cause lung damage if swallowed.

Delayed and chronic health effects from exposure**Skin Corrosion/irritation**

No data available

Eye damage/irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

**Carcinogenicity**

No data available

Reproductive toxicity

No data available

Specific Target Organ Toxicity – single does

No data available

Specific Target Organ Toxicity – repeated does

No data available

Aspiration hazard

No data available

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Avoid contaminating waterways. No data is available for this product although vapours may affect flora and fauna.

For the naphtha solvent:

The material is expected to be toxic to aquatic organisms.

For the constituent n-hexane:

Water pollution factors: BOD (25/35 C): 2.49 ThOD: 3.52

Biological Effects: Fish (goldfish): LD50 (24hr): 4 mg/l

Persistence and degradability

No data available for this product.

Naphtha solvent may cause long-term adverse effects in the aquatic environment. However the naphtha solvent is expected to be readily biodegradable and is expected to degrade rapidly in air.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**Safe handling and disposal methods**

Empty containers may contain residue and can be flammable unless residue is completely dried out.

Environmental regulations

Waste and container disposal must be in accordance with federal, state or local environmental control regulations. Recommendation: consultation with the disposal agency and the relevant authorities; cleansing agent is water.

14. TRANSPORT INFORMATION**Labeling**

Dangerous Goods Class 3

Hazchem: 3YE





Special provisions: Exemptions on packing instructions may apply.

Packing Instructions: Not to be loaded with ;

- Class 1, explosives
- Class 2.1, flammable gases, if both are in bulk,
- Class 2.3, toxic gases
- Class 4.2 spontaneously combustible substances,
- Class 5.1 oxidising agents,
- Class 5.2 organic peroxides
- Class 6.1 toxic substances
- Class 6.2 infectious substances
- Class 7 radioactive substances.

Road & Storage Dangerous good

Class or division:	3	Subsidiary risk:	None
UN No.:	1133	UN packing group:	II
Notes:	None	Limited quantities:	None
Packagings and IBCs -	None	Packagings and IBCs -	None

Shipping Name: ADHESIVES containing flammable liquid

Air Transport Dangerous good

ICAO/IATA Class:	3	ICAO/IATA Subrisk:	None
UN/ID Number:	1133	Packing Group:	II

Special provisions: None

Shipping Name: ADHESIVES containing flammable liquid

Maritime Transport IMDG Dangerous good

IMDG Class:	3	IMDG Subrisk:	None
UN Number:	1133	Packing Group:	II
EMS Number:	None	Special provisions:	None
Limited Quantities:	None	Marine Pollutant:	None

Shipping Name: ADHESIVES containing flammable liquid

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question

The principal components and additives of this product are included in the Australian Inventory of Chemical Substances (AICS) or comply with the requirements of the Industrial Chemicals (Notification and Assessment) Act of 1989

Poisons Schedule number
S5



16. OTHER INFORMATION

Date of preparation or review : November 16

Key abbreviations or acronyms used

ADG - Australian Dangerous Goods Code

TWA - Time-Weighted Average

STEL - Short Term Exposure Limit

ppm - Parts of vapour or gas per million parts of contaminated air by volume.

mg/m³ - Milligrams of substance per cubic metre of air. Refer to Section 3.3 for more information on the units for exposure standards. When an entry is in this column only, the value is exact; when listed with a ppm value, it is approximate.

f/mL - Fibres per millilitre of air as determined by the membrane filter method².

Disclaimer:

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