

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: Dodecenyl Succinic Anhydride. Catalogue # C044.
Other Names: DDSA
Recommended Use: Epoxy Hardener

Supplier Name: ProSciTech
Postal Address: PO Box 111, Thuringowa Central Qld. 4817 Australia
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444
Fax Number: (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC.
Risk Phrases:
Safety Phrases:

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE:

Chemical Identity: Dodecenyl Succinic Anhydride
Common Name(s):
CAS Number(s): 26544-38-7

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Dodecenyl Succinic Anhydride	26544-38-7	>99

SECTION 4 - FIRST AID MEASURES

Swallowed: Seek immediate medical attention.
Eye: Immediately flush eyes with water for at least 15 minutes, holding eyelids apart. Obtain medical attention if irritation or other symptoms occur.
Skin: Wash with soap and water. Seek medical attention if irritation develops or persists.
Inhaled: Remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Seek medical attention.
First Aid Facilities: Safety shower, Eyebath
Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam.
Hazards from Combustion Products: Carbon monoxide, carbon dioxide and dense smoke.
Precautions for Fire Fighters: Can burn in fire releasing toxic vapours. Using water can cause frothing with increasing fire intensity. Evacuate the area and fight fire from a safe distance. Wear pressure demand self-contained breathing apparatus OSHA/NIOSH approved or equivalent and full protective gear.
Hazchem Code: 1X

SECTION 6 - ACCIDENTAL RELEASE MEASURES**Emergency Procedures:****Containment and clean up:**

Small Spill: Absorb spill with inert material (eg. dry sand or earth), then place in a chemical waste container. Large Spill: Shut off leak, if safe to do so. Contain spilled liquid with inert material. Retain all contaminated water for removal and treatment. Clean spills up immediately. This material should be prevented from contaminating soil or from entering sewerage and drainage systems and bodies of water.

SECTION 7 - HANDLING & STORAGE**Precautions for Safe Handling:**

Use adequate ventilation, avoid contact with skin and eyes. Wash exposed skin thoroughly after handling. Keep container closed when not in use.

Conditions for Safe Storage:

Store in an ambient temperature with lid tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**National Exposure Standards:**

No exposure standard allocated.

Biological Limit Values:

No biological limit allocated.

Engineering Controls:

Local exhaust ventilation, process enclosures or controls to control sources of dust, mist or vapour.

Personal Protective Equipment:

If needed use an OSHA/NIOSH approved air-purifying respirator as needed to control exposure. Use a positive pressure air supplied respirator for uncontrolled releases or when air-purifying respirator limitations may be exceeded. Wear rubber gloves, clean protective body-covering clothing and chemical goggles or safety glasses.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**Appearance:**

Clear pale yellow, viscous liquid.

Odour:

Slight.

pH:

Not available.

Vapour pressure:

(mmHg) <1

Vapour density:

(air = 1) 9.2

Boiling point/range:

350°C

Freezing/melting point:

Not available.

Solubility:

Insoluble.

Specific gravity or density:

(H₂O = 1) 1.005 at 25°C.

Flash Point:

167°C

Flammable (explosive) limits:

Not available.

Ignition temperature:

Not available.

Additional Information:**SECTION 10 - STABILITY AND REACTIVITY****Chemical stability:**

Stable.

Conditions to avoid:

Keep away from oxidising agents.

Incompatible Materials:

Oxidising materials, alkali metals and amines.

Hazardous Decomposition

Incomplete combustion may produce carbon monoxide, carbon dioxide and dense smoke.

Products:**Hazardous Reactions:****SECTION 11 - TOXICOLOGICAL INFORMATION****Acute and chronic health effects:**

Oral rat LD50: 2550mg/kg. Dermal rabbit LD50: 6200mg/kg. Skin irritation rabbit: 3.29/8.0 - not a primary skin irritant. Eye irritation rabbit: an eye irritant based on conjunctivae effects, scores (unwashed) - 13./110 at day 1, 3.7/110 at day 7.

Possible routes of exposure:

Skin/Eye contact, Inhalation, Ingestion.

Range of effects following

Irritation.

exposure:**Dose likely to cause injury:****Delayed effects:****Relevant negative data:**

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not available.
Persistence and degradability: Not available.
Mobility: Not available.
Additional Information:

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of waste according to Federal, State and Local regulations.
Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number: None Allocated.
UN Proper Shipping Name: None Allocated
Class and Subsidiary risk: None Allocated
Packing Group: None Allocated
Special Precautions for User:
Hazchem Code: 1X

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: 17 September 2007
