

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: Nonenyl Succinic Anhydride. Catalogue # C059.
Other Names: NSA.
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: Nonenyl Succinic Anhydride.
Common Name(s):
CAS Number(s): 28928-97-4

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Nonenyl Succinic Anhydride	28928-97-4	<95

SECTION 4 - FIRST AID MEASURES

Swallowed: Get immediate medical attention.
Eye: Flush eyes with plenty of water for at least 15 minutes, holding eyelids apart. Seek medical help if irritation persists/occurs.
Skin: Wash with soap and water. Seek medical help if irritation or other symptoms occur.
Inhaled: Remove person to fresh air. If not breathing give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
First Aid Facilities: Safety shower, eyebath.
Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: CO₂, dry chemical, alcohol foam.
Hazards from Combustion Carbon monoxide, carbon dioxide.
Products:
Precautions for Fire Fighters: Evacuate area and fight fire from a safe distance. Wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.
Hazchem Code:

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Containment and clean up:

This material should be prevented from contaminating soil or from entering sewerage, drainage systems and bodies of water. Isolate the hazard area and keep unnecessary personnel away. Wear appropriate protective equipment (refer to Section 8).

SMALL SPILLS: Absorb spill with an inert material (e.g. sand or earth), then place in a chemical waste container.

LARGE SPILLS: Shut off leak, if safe to do so. Clean up spills immediately. Contain spilled liquid with an inert material. Retain all contaminated water for removal and treatment.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Use adequate ventilation. Wash thoroughly after handling. Wear appropriate protective equipment to avoid contact with material.

Conditions for Safe Storage:

Store in a cool, dry, well ventilated area away from incompatible materials. Keep container lid closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:

No exposure standard allocated.

Biological Limit Values:

No biological limit allocated.

Engineering Controls:

Use only in a well ventilated area.

Personal Protective Equipment:

If ventilation is insufficient use a NIOSH/MSHA approved air purifying respirator. Wear safety glasses, chemical goggles or full face shield to protect eyes. Use impervious gloves and appropriate protective clothing to minimise contact with material.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:

Yellow liquid.

Odour:

Slight.

pH:

Not available.

Vapour pressure:

<1mmHg.

Vapour density:

Not available.

Boiling point/range:

325°C.

Freezing/melting point:

Not available.

Solubility:

Insoluble in water.

Specific gravity or density:

1.03 (Relative to Air).

Flash Point:

149°C.

Flammable (explosive) limits:

Not available.

Ignition temperature:

Not available.

Additional Information:

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:

Stable under normal conditions of use.

Conditions to avoid:

Keep from contact with oxidising materials.

Incompatible Materials:

Oxidising materials, alkali metals and amines.

Hazardous Decomposition

Carbon monoxide, carbon dioxide.

Products:

Hazardous Reactions:

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and chronic health effects:

A similar material was found to be an eye irritant, but not a primary skin irritant.

Possible routes of exposure:

Eye/skin contact, inhalation, ingestion.

Range of effects following exposure:

Irritating to eyes. May cause skin irritation. Mists may cause respiratory tract irritation. May be harmful if swallowed.

Dose likely to cause injury:

Delayed effects:

Relevant negative data:

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability:

Mobility:

Additional Information:

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of in accordance with all Federal, State and Local Regulations.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number:

UN Proper Shipping Name:

Class and Subsidiary risk:

Packing Group:

Special Precautions for User:

Hazchem Code:

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: 07 April 2008
