

**SAFETY DATA SHEET**  
**NONENYL SUCCINIC ANHYDRIDE MODIFIED (NSA)**

**CATALOG #3152**

**1. IDENTIFICATION**

**Product name:** Nonenyl Succinic Anhydride (NSA)

**Identified uses:** Laboratory use, manufacture of substances

**Details of the supplier of the safety data sheet**

**COMPANY IDENTIFICATION**  
TOUSIMIS RESEARCH CORP.  
2211 LEWIS AVENUE  
ROCKVILLE, MD  
20851  
UNITED STATES

**Company Contact Information:**  
301-881-2450  
[trc@tousimis.com](mailto:trc@tousimis.com)

**EMERGENCY TELEPHONE NUMBER**  
Emergency Contact: 1-800-222-1222

**2. HAZARDS IDENTIFICATION**

**Hazard Overview**

Causes eye irritation.

GHS Classification

Eye Irritation Category 2A

**Signal Word:** Warning



Hazard statement	H319 – Causes serious eye irritation.
Precautionary statements	<p>P280 – Wear eye protection, face protection, protective clothing, protective gloves</p> <p>P302 + P352 – If on skin: Wash with plenty of soap and water.</p> <p>P305B – If in eyes: separate eyelids with finger tips.</p> <p>P314 – Get medical advice/attention if you feel unwell.</p> <p>P351 – Rinse cautiously with water for several minutes.</p> <p>P501 – Dispose of contents/container to proper waste in accordance with institutional practices and local, regional, national and/or international regulation</p>

### NFPA Rating

Hazard Ratings:

These ratings are assessments of the properties of the material using the ANSI/NFPA 704 Standard.

Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available

Health	Flammability	Reactivity
2	1	0

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Note: Items listed with a CASRN number have no CAS# available.

**EINECS:** 249-317-8

**CAS#** 0028928974

**% in product:** 95-100

**Name:** Nonenyl Succinic Anhydride

## 4. FIRST AID MEASURES

Contact medical personnel if discomfort persists.

Flush eyes with flowing water for at least 15 minutes.

Separate eyelids with finger tips.

Wash skin with deluge of water for at least 15 minutes.

## 5. FIREFIGHTING MEASURES

**Flash point, deg F.:** 300

**Method:** No data

**UEL:** No data

**LEL:** No data

**Autoignition temperature, deg. F:** No data

**Flammability Classification:** nap

**Flame Propagation:** No data

**Hazardous Combustion Products:** None

## 6. ACCIDENTAL RELEASE MEASURES

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

No special measures are indicated.

## 7. HANDLING AND STORAGE

Store at room temperature

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### OSHA (ACGIH) Exposure Limits

			TWA		STEL		CEILING	
			ppm	Mg/	ppm	mg/m3	ppm	mg/m3
<b>CAS#</b>	<b>0028928974</b>	<b>OSHA</b>	NE	NE	NE	NE	NE	NE
<b>IDLH</b>	<b>NE</b>	<b>ACGIH</b>	NE	NE	NE	NE	NE	NE

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Use chemical splash goggles and face shield.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product.

Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product.

Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Formula</b>	C13H20O3
<b>Formula Weight</b>	224.3
<b>Boiling point</b>	617
<b>Melting point</b>	No data
<b>Solubility</b>	Insoluble
<b>Vapor pressure</b>	<1 mm Hg
<b>Vapor density</b>	No data
<b>Specific gravity</b>	Not determined
<b>Self-igniting</b>	1.03
<b>pH</b>	No data
<b>Appearance</b>	yellow liquid slight

## 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable
<b>Conditions to avoid</b>	None
<b>Incompatibility with other materials</b>	Oxidizers
<b>Hazardous Decomposition Products</b>	None
<b>Hazardous Polymerization</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

<b>Acute data</b>	No data
<b>Subchronic data</b>	No data

## 12. ECOLOGICAL INFORMATION

No data

### 13. DISPOSAL CONSIDERATIONS

The following lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

**CAS#** 0028928974

**Waste Code:** No listed

**Regulated Name:** Not listed

### 14. TRANSPORT INFORMATION

**Proper Shipping Name**            NOT REGULATED  
**Chemical Name**  
**UN**  
**Class**  
**PG**

### 15. REGULATORY INFORMATION

All components of this product are on the TSCA public inventory.

Prop 65 – Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

<b>CAS#</b>	<b>Column A</b>	<b>Column B</b>
0028928974	No	No

State Regulatory Information: If a CAS# is listed below this material is subject to the listed state right-to-known requirements.

<b>CAS#</b>	
0028928974	Not Listed

SARA Toxic Release Chemicals (as defined in Section 313 of SARA Title III)  
This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and

Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

<b>CAS#</b>	<b>Regulated Name</b>	<b>de minimis conc. %</b>	<b>Rep. Thres.</b>
0028928974	Not Listed	Not Listed	Not Listed

#### SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

<b>CAS#</b>	<b>Regulated Name</b>	<b>TPQ (pounds)</b>	<b>EHS-RQ (pounds)</b>
0028928974	Not Listed	Not Listed	Not Listed

#### CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQs, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802

<b>CAS#</b>	<b>Regulated Name</b>	<b>RQ (pounds)</b>
0028928974	Not Listed	Not Listed

## 16. OTHER INFORMATION

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