

MATERIAL SAFETY DATA SHEET



Conforms to 93/112/EC and ISO 11014-1

1. Chemical Product and Company Identification

Product Name: Hydromount

Product Number: HS-106

Chemical Names/

Description:

Aqueous mounting medium.

Manufacturer

National Diagnostics
305 Patton Drive
Atlanta, GA 30336

Telephone Numbers

(800) 526-3867
(404) 699-2121

Emergency Numbers

Chemtrec

(800) 424-9300 (U.S. & Canada)

01-703-527-3887 (outside U.S. & Canada)

2. Composition/Information on Ingredients

Component	% Comp.	CAS #	EINECS #	TLV (Units)
Proprietary Polymer	20 - 30			5 mg/m ³
Glycerine	1 - 2			10 mg/mg

EEC LABEL SYMBOL AND CLASSIFICATION



R: 36/38

Irritating to eyes and skin

S: 26-36

In case of contact with eyes, rinse immediately with plenty of water, and seek medical advice. Wear suitable protective clothing.

3. Hazards Identification

Appearance and Odor

Clear, colorless, viscous liquid.

EMERGENCY OVERVIEW - IMMEDIATE HAZARD

THE PROPRIETARY POLYMER IS NOT EXPECTED TO POSE A SIGNIFICANT HEALTH HAZARD UNDER NORMAL CONDITIONS OF USE. EXPOSURE MAY CAUSE EYE, SKIN

& RESPIRATORY TRACT IRRITATION. INGESTION MAY CAUSE GI TRACT DISCOMFORT.

EMERGENCY OVERVIEW - CHRONIC HAZARD WARNING:

NO HUMAN DATA. ANIMAL STUDIES SHOWED A DROP IN HEMOGLOBIN AND ERYTHROCYTE (RED BLOOD CELL) NUMBER WITH EVENTUAL COMPLETE COAGULATION INHIBITION. PRODUCT IS NOT LISTED AS CAUSING CANCER BY NTP & OSHA. IARC CANCER REVIEW SHOWS LIMITED EVIDENCE OF CARCINOGENICITY IN ANIMAL STUDIES, INADEQUATE EVIDENCE FOR HUMANS.

Potential Health Effects

Inhalation

Dust may be formed under certain conditions where water solvent has evaporated. Treat as a nuisance dust. When heated above 200C, fumes irritating to the eyes, nose, and throat will be evolved.

Ingestion

Not expected to be a health hazard via ingestion.

Skin

Not expected to be a health hazard from skin exposure.

Eyes

Mechanical irritation only.

Signs and Symptoms of Overexposure

Inhalation

Symptoms of irritation may include tears in the eyes with itching, redness, burning pain in throat and nose.

Ingestion

Not expected to be a health hazard via ingestion.

Skin

Not expected to be a health hazard from skin exposure.

Eyes

Itching, pain, redness.

Carcinogenicity

Not listed as a known or anticipated human carcinogen by NTP or OSHA. IARC lists this substance as category 3, unclassifiable as to its carcinogenicity in humans.

Mutagenicity

No information found.

Reproductive Toxicity

No information found.

Teratogenic Effects

No information found.

Routes of Entry

No information found.

Target Organ Statement

No information found.

4. First Aid Measures

Inhalation

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion

Not expected to require first aid measures.

Skin

Wash exposed area with soap and water. Get medical advice if irritation develops.

Eyes

Wash thoroughly with running water. Get medical advice if irritation develops.

5. Fire Fighting Measures

Flash Point	N.A.	Flammable Limits	N.A.
Flash Point Method	N.A.	Autoignition temperature	N.A.

Extinguishing media

Use media appropriate to the primary cause of fire.

Protective Equipment

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Hazardous Combustion Products

Thermal decomposition products may include toxic oxides of nitrogen and carbon.

Unusual Fire and Explosion Hazards

N.A.

NFPA Codes: Health 0 Flammability 0 Reactivity 0

6. Accidental Release Measures

Steps to be taken in case material is released or spilled

Use absorbent material to collect and contain for salvage or disposal.

Waste Disposal Method

Disposal must be made in accordance with applicable federal, state, and local regulations.

Personal Precautions

Wear appropriate protective equipment as specified in section 8.

7. Handling and Storage

Handling

Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

Storage

Keep in a tightly closed container, stored in a cooled, dry, ventilated area.

Storage Temperature

Room Temperature

Disposal

Observe all national, state, and local regulations regarding disposal.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits

Component: Proprietary Polymer

ACGIH Threshold Limit Value (TLV): 5 mg/m³

OSHA Permissible Exposure Limit (PEL): 5 mg/m³

Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborn Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

Respiratory Protection

For conditions of use where exposure to the dust or mist is apparent, a full-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.

Eye Protection

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Skin Protection

Wear protective gloves and clean body covering clothing.

Other Control Measures

N.A.

9. Physical Properties

Boiling point	105C	Evaporation Rate	1.0 (H ₂ O = 1)
Melting point	N.A.	Solubility in water	Soluble
Vapor pressure (mmHg)	N.A.	pH	8.3
Vapor density (Air = 1)	N.A.	Specific gravity (H₂O = 1)	No information.
% Volatile by volume	80		

10. Stability and Reactivity

Stability

Stable under ordinary conditions of use and storage.

Conditions to Avoid

Incompatibles

Hazardous Decomposition Products

Complete combustion of polymer will emit carbon dioxide and water when heated to decomposition. Incomplete combustion gives in addition carbon monoxide and oxidation products, including organic acids

Hazardous Polymerization

Will not occur

Incompatibles

Proprietary Polymer:

Strong oxidizers.

Glycerine:

Strong oxidizers. Can react violently with acetic anhydride, calcium oxychloride, chromium oxides and alkali metal hydrides.

11. Toxicological Information

Product LD50 Values

Hydromount Oral Rat LD50 (mg/kg): > 100 gm/kg
Hydromount Dermal Rabbit LD50 (mg/kg): No data

Component Cancer List Status

	NTP Carcinogen		IARC Category
	Known	Anticipated	
Proprietary Polymer	No	No	3
Glycerine	No	No	None

12. Ecological Information

Proprietary Polymer

No information found.

Glycerine

When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is not expected to evaporate significantly. When released into water, this material is expected to readily biodegrade. This material is not expected to significantly bioaccumulate. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition. This material is not expected to be toxic to aquatic life.

13. Disposal Considerations

Observe all national, state, and local regulations regarding disposal.

14. Transport Information

D.O.T.

Proper Shipping Name: Not regulated.

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

I.A.T.A.

Proper Shipping Name: Not regulated.

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

I.M.O.

Proper Shipping Name: Not regulated.

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

15. Regulatory Information

United States

TSCA Regulatory Statement

All intentional ingredients are listed on the TSCA Inventory.

SARA 311/312 Hazard Categories

Component	Fire	Pressure	Reactivity	Acute	Chronic
Proprietary Polymer	Yes	No	No	No	No
Glycerine	No	No	No	Yes	Yes

Europe

EEC Regulatory

All intentional ingredients are listed on the European EINECS Inventory.

EEC LABEL SYMBOL AND CLASSIFICATION



IRRITANT

R: 36/38

Irritating to eyes and skin

S: 26-36

In case of contact with eyes, rinse immediately with plenty of water, and seek medical advice. Wear suitable protective clothing.

16. Other Information

NFPA Codes: Health 0 Flammability 0 Reactivity 0

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