

# SAFETY DATA SHEET

Preparation Date : June, 2025

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name AMN 10490B

Other means of identification

Chemical Family Aromatic diamine blend  
Formula  $(C_2H_5)_2(CH_3)C_6H(NH_2)_2$

Recommended use of the chemical and restrictions on use

General function Curing chemical.  
Uses advised against No information available

Company manufacture Forsch Polymer Corp.  
3025 S. Wyandot st.  
Englewood, Co 80110

For Non-Emergency 303-322-9611

Email forschpolymerco@aol.com

Emergency telephone number

Emergency Telephone Numbers 303-548-7716

## 2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity - Oral	Category 4
Acute Toxicity - Dermal	Category 4
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (repeated exposure)	Category 2
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

Label elements

Emergency Overview

Signal Word: Warning

Hazard Statements

Harmful if swallowed

Harmful in contact with skin

Causes serious eye irritation

May cause damage to organs through prolonged or repeated exposure

Very toxic to aquatic life with long lasting effects



Appearance Liquid

Color Clear. Yellow.

Odor Pungent

#### Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear protective gloves/protective clothing/eye protection/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Avoid release to the environment

#### Response

Get medical advice/attention if you feel unwell  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN: Wash with plenty of soap and water  
Call a POISON CENTER or doctor/physician if you feel unwell  
Wash contaminated clothing before reuse  
IF INHALED: Move to fresh air.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth  
Collect spillage

#### Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

#### Other Information

Unknown Acute Toxicity 2.5% of the mixture consists of ingredient(s) of unknown toxicity

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature of the preparation 3.1. Substances.

Component	CAS-No	Weight %
Diethyltoluenediamine	68479-98-1	30 – 95%
2,2,4 Trimethyl – 1,3 Pentanediol Diisobutyrate	6846-50-0	5 – 50%

Note: The exact concentrations of the above listed chemicals are being withheld as a trade secret.

### **4. FIRST AID MEASURES**

#### First aid measures

##### Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

##### Skin Contact

Remove contaminated clothing and shoes. After contact with skin, wash immediately with plenty of water. Wash clothing before reuse. Seek medical advice.

##### Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, apply artificial respiration. Seek medical advice.

Ingestion Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

Most important symptoms and effects, both acute and delayed

Symptoms Harmful in contact with skin. Harmful if swallowed. Causes eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

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## 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Carbon dioxide, dry chemicals, foam, water spray (mist).

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical

Combustion/explosion hazards In case of fire and/or explosion do not breathe fumes.

Hazardous Combustion Products Oxides of carbon and nitrogen.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and protective suit. Do not breathe smoke or vapors.

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## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable gloves and eye/face protection.

Environmental Precautions

Environmental precautions Contain any spill with dikes or absorbents to prevent migration and entry into sewers or streams. May require excavation of contaminated soil.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning up Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent.

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## 7. HANDLING AND STORAGE

Precautions for safe handling

Handling Do not breathe vapours or spray mist. Mechanical ventilation is recommended. Local exhaust is needed at source of vapours.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. To maintain quality. Keep away from heat. Keep away from direct sunlight.

Incompatible Materials Strong acids. Strong oxidizing agents.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines A\*  
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Engineering Controls      controls      Ensure adequate ventilation, especially in confined areas. See Extended Safety Data Sheet.

Individual protection measures, such as personal protective equipment

Eye/face Protection	Chemical goggles or face shield with safety glasses.
Skin Protection	DERMAL PROTECTION: Dermal exposure is considered the primary route of exposure. BODY: A protective apron or suit such as polyethene tyvek or equivalent should be used to minimize exposure from splashes.
Respiratory protection	Approved organic vapor respirator when exposed to vapors from heated material. Approved supplied-air respirator, in case of emergency.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color	Clear. Yellow.Amber-Dark
Odor	Pungent.
Odor Threshold	No information available
Molecular Weight	No information available
pH	Not available
Melting point/freezing point	No information available
Boiling Point/Range	308.3 °C / 587 °F (1013 hPa)
Flash Point	169 °C / 336 (PMCC)
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor Pressure	0.000971 Pa (25°C)
Vapor Density	6.2
Relative density	1.02 (20°C)
Solubility(ies)	
Water Solubility	1% (20°C)
Solubility in other solvents	No information available
Partition coefficient	1.16 (25 °C)
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Dynamic viscosity	286 mPa.s (20°C)
Explosive Properties	None
Oxidizing Properties	None

## 10. STABILITY AND REACTIVITY

Reactivity Hazard	No data available
Stability	Stable under normal conditions.
Hazardous Reactions	No hazardous reaction expected under normal handling.
Hazardous Polymerization	None under normal processing.

Conditions to Avoid	Exposure to air.
Materials to avoid	Strong acids. Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides. Nitrogen oxides (NOx).

## 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Inhalation	Not an expected route of exposure.
Eye contact	Irritating to eyes.
Skin Contact	Harmful if absorbed through skin.
Ingestion	Harmful if swallowed.

## Potential Health Effects

## Potential Risk

**Skin irritation:** Slightly irritating but not sufficient for classification.

Serious eye damage/eye irritation: Irritating to eyes (rabbit)

irritation Respiratory irritation : No data available

### Chronic Effects

**Chronic Effects**  
**Mutagenic Effects** In vitro mutagenicity test: Positive and negative results in bacterial and mammalian cells in the presence of metabolic activation. In vivo mutagenicity tests: Mouse micronucleus test • negative. Dominant lethal test, rat, negative.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	ACGIH Carcinogens	IARC	NTP	OSHA Carcinogens
Diethyltoluenediamine	68479-98-1	NL	NL	NL	NL

2,2,4 Trimethyl – 1,3 Pentanediol  
Diisobutyrate 6846-50-0 NL NL NL NL

No effect on reproductive organs in repeated dose studies in rats.

No information available

Causes damage to organs through prolonged or repeated exposure.

**Chronic Effects** A two year feeding study in rats showed DETDA cause effects in the pancreas, liver, thyroid and eyes. An increase in the number of tumors in the liver and thyroid of male rats and in the liver and possibly mammary gland of female rats was found.

## Target Organ Effects

Aspiration hazard Non-information available

## Numerical measures of toxicity

## Product Information

2.5% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

following values are calculated based on chapter ATEmix (oral) 757 mg/kg

ATEmix (oral) 757 mg/kg  
ATEmix (dermal) 1128 mg/kg

ATEmix (dermal) LD50 Oral: 1128 mg/kg  
Bat Oral LD50: 7.38 mg/kg

Rat Oral LD<sub>50</sub>: 700 mg/kg  
Rabbit Dermal LD<sub>50</sub>: > 2000 mg/kg



**Component Information**

No information available

Component	Rat Oral LD50 :	Rabbit Dermal LD50 :	Rat Inhalation LC50:
Diethyltoluenediamine	738 mg/kg	>2000 mg/kg	NA
2,2,4 Trimethyl – 1,3 Pentanediol Diisobutyrate 6846-50-0	N/A	N/A	N/A

**12. ECOLOGICAL INFORMATION**Ecotoxicity

Very toxic to aquatic life with long lasting effects

Component	Freshwater Algae EC50/72h :	Freshwater Fish LC50/96h	Water Flea EC50/48h :
Diethyltoluenediamine	104 mg/l - Algae EC10/72h : 54 mg/l	> 104 mg/l - Fish LC50/48h : 200 mg/l	5.8 mg/l - Water Flea LC50/48h : 0.5 mg/l
2,2,4 Trimethyl – 1,3 Pentanediol Diisobutyrate 6846-50-0	NA	6 mg/L	1.46mg/L

Persistence/Degradability Not readily biodegradable. Photodegradation: T1/2. Air: 1.484. hour. (calculated).

Bioaccumulation/ Accumulation No information available.

Mobility in Environmental Media The substance is expected to partition primarily to soil and water. Koc =. 32-551 l/kg (QSAR estimate). Henry's law constant =. 0.000266. (20 °0). (QSAR estimate).

Other adverse effects No information available

**13. DISPOSAL CONSIDERATIONS**Waste treatment methods

Waste Disposal Method Dispose in a safe manner in accordance with local/national regulations. Absorb and incinerate.

Contaminated Packaging Do not reuse container.

## 14. TRANSPORT INFORMATION

### DOT

Not dangerous goods

UN number Not applicable  
 Proper shipping name Not applicable  
 Transport hazard class Not applicable  
 Packing Group Not applicable

### IMDG/IMO

IMO Class 9  
 Packing Group III  
 UN-No 3082  
 IMO Labelling and Marking 9 + Marine Pollutant Marking  
 Proper Shipping Name Environmentally hazardous substance liquid, N.O.S. (Diethyltoluenediamine)  
 EmS F-A , S-F  
 Marpol -Annex II Not determined  
 Marpol - Annex III Marine Pollutant  
 Transport Description UN 3082 Environmentally hazardous substance liquid, N.O.S. (Diethyltoluenediamine), 9, III, Marine pollutant

### IATA/ICAO

IATA/ICAO Class 9  
 Packing Group III  
 UN-No 3082  
 IATA/ICAO Labelling/Marking 9 + 'Environmentally hazardous substance' mark  
 Passenger Aircraft Maximum net quantity per package: 450 L  
 Cargo aircraft only Maximum net quantity per package: 450 L  
 Proper shipping name Environmentally hazardous substance liquid, N.O.S. (Diethyltoluenediamine)  
 Transport Description UN 3082 Environmentally hazardous substance liquid, N.O.S. (Diethyltoluenediamine), 9, III

## 15. REGULATORY INFORMATION

International Inventories	TSCA	DSL	NDSL	AICS	EINECS	ELINCS	ENCS	ROHS	PICCS	IECSC	NZIoC
AMN 940B	X	X	-	X	X	-	X	X	X	X	X

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

### SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

### Reportable and Threshold Planning Quantities

The following components have RQs and/or TPQs under SARA and/or CERCLA

### State Right-to-Know

This product contains the following chemicals regulated in the states listed below. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

### California Prop 65:

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

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<b>16. OTHER INFORMATION</b>				
NFPA	Health 2	Flammability 1	Instability 0	Physical Hazards -
HMIS	Health 2	Flammability 1	Physical Hazards 0	

Preparation Date : May 2025

Revision Date: May 2025

**Disclaimer:**

The information contained herein is accurate to the best of our knowledge. The Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances\_

End of Safety Data Sheet