

MATERIAL SAFETY DATA SHEET

PUD



TM

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PRODUCT & COMPANY IDENTIFICATION

Product Information:

Type: Aqueous Dispersion
Class: Polyurethane-Polyurea
Use: Binder for adhesives & coatings
Formula: Complex
Name of the Company: Blue Star Rubber Products
Address: 156/B, IDA, Kattedan, Hyderabad-500077, India.
Telephone: +91-40-65263493, Mobile: +91-9885034120
e-mail: info@bluthane.com

COMPOSITION, INFORMATION ON INGREDIENTS

Polyurethane-urea ionomer Resin	: 30-40 (weight %)	
N-Methyl Pyrrolidone	: 02-10	CAS # 616-45-5
Volatile Organic Compounds	: 0-2	CAS # 121-44-8
Water	: 60-70	

HAZARD IDENTIFICATION

Not classified as a hazardous product as per Counsel Directive 2006/121/EC
Non-Flammable material

FIRST AID MEASURES

General Advice : Remove all contaminated clothings immediately.
Inhalation : Move to fresh air. If irritation occurs seek medical advice
Skin Contact : Wash with soap and water immediately.
Eye contact : Open the eye and rinse with water for 20 minutes.
If swallowed : Do not induce vomiting. Seek medical advice

FIRE-FIGHTING MEASURES

Flash point : N.A
Extinguishing media : Carbon dioxide (CO₂), Foam, Dry Chemical Powder(DCP)
Wear self-contained breathing apparatus.
Can release Carbon monoxide, CO₂, nitrogen oxides on combustion

ACCIDENTAL RELEASE MEASURES

Personal Precautions : Ensure adequate ventilation. Wear Personal Protective Equipment.
Environmental Precautions : Do not allow to escape into wastewater or soil.
Cleaning methods : Use dry sand to absorb and dispose suitably

HANDLING AND STORAGE

Handling : Observe all precautions for chemicals. Avoid contact with eyes and skin.
Storage : Keep container tightly closed in a cool dry and ventilated place.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit values : not necessary as per EC directive 2006/121/EG

Respiratory protection: Required during spraying

Hand Protection : Fluorinated rubber gloves / Butyl Rubber / Nitrile rubber. Dispose contaminated gloves

Eye protection : Eye/face protection required

PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Translucent / milky/ partly hazy

Colour : pale yellow

Form : Liquid

Odour : Slight sweet odour

Density : ca. 1.05 g/cm³

Viscosity,dynamic : < 500 mpa.s

Miscibility with water : miscible at 20 deg C but not soluble

pH : 7 – 9

STABILITY AND REACTIVITY

Hazardous reactions : No hazardous reactions when properly stored and used

Hazardous decomposition : Combustible and noxious fumes liberated during thermal decomposition caused by fire on dry resin.. Decomposes above 230 Deg C.

Hazardous Polymerization : Does not occur.

TOXICOLOGICAL INFORMATION

Mild skin / mucosae irritant

Does not cause sensitization by skin contact

Non-mutagenic

ECOLOGICAL INFORMATION

No data available

The product is not readily biodegradable. Do not allow to escape into waterways.

DISPOSAL CONSIDERATIONS

Not to be disposed by incineration. Preferably absorbed in sand and disposed in approved and designated land fill.

TRANSPORT INFORMATION

Not a classified dangerous cargo.

Avoid temperatures above +50 deg C and below +5 deg C

Proper shipping name : PUD

Hazard class : Non-hazardous

Danger Labels : Not required

Marine pollutant : none

REGULATORY INFORMATION

TSCA components : none

SARA Toxic chemicals : none

California proposition 65: Applicable if NMP is > 4.0 %

OTHER INFORMATION

No specific information other than the facts mentioned in 1-15

The information provided in this MSDS is correct to the best of our knowledge, Information and belief. The information is only as a guidance for safe handling , use processing, storage, transportation, disposal release, and is not to be considered a warranty or specification.
