

MATERIAL SAFETY DATA SHEET

RARCYAN 75N

1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE:

IDENTITY (As used on label and list) : RARCYAN 75N

1.2 IDENTIFICATION OF THE COMPANY:

RAR Resin & Chemical Industries JLT
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Fax: +971 4 4356518 Website: www.rarresin.com

2 COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Components (Specific Chemical Identity: Common Name(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) | CAS NO. |
|--|-------------|--------------|-----------------------------|-----------------|----------|
| Isocyanate Prepolymer | N/Av | N/Av | N/Av | 75% | |
| Ethyl Acetate | N/Av | N/Av | N/Av | 25% | 141-78-6 |

3 PHYSICAL/ CHEMICAL CHARACTERISTICS

Boiling Point : 77.1 deg C (Ethyl acetate)
Flash Point : 4°C
Specific Gravity (H₂O= 1) : 1.08
Vapor Pressure (mm Hg) : unknown
Melting Point : N/Av
Vapor Density (AIR = 1) : 3.0
Evaporation Rate : -
Solubility in Water : Insoluble
Appearance and Odor : Clear, pale yellow liquid with characteristic odor.

4 FIRE FIGHTING MEASURES

Extinguishing Media : Dry Chemical, foam, water spray and CO₂
Special Fire Fighting Procedures : Liberation of Nitrous fumes by Thermal decomposition or combustion
Unusual Fire and Explosion Hazards : When exposed to direct heat source, combustible vapor will generate, which can explode when mixed with air and ignited

5 MEASURES IN CASE OF ACCIDENTS

Spillage / Leakage : Do not empty into drains. remove mechanically cover remainders with wet, absorbent material (chemical binder based on calcium silicate hydrate, sand) After approx. one hour transfer to waste container and do not seal. Keep damp in a safe ventilated area for several days.

DISCLAIMER

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RAR RESIN Technical Service Department.

6 HANDLING AND STORAGE

Handling: The operator should be trained in handling this product. When the drum is pressurized, unscrew the bung slowly to release the pressure before taking it off.
This product should not be filled in as unwashed or wet container.
The use of fire is strictly prohibited in the working area.
Those who show allergenic and sensitizing effects should not be in charge.

STORAGE: Keep container properly sealed and stored indoors in a well ventilated area.
Once opened, the container should be closed and sealed with nitrogen gas.
If stored outdoors, the container should be covered with waterproof canvas sheet to avoid being exposed in the rain.

7 HAZARDS IDENTIFICATION

Health: The risk of concentration- dependent irritating effects on eyes, nose, throat and perspiratory.
Physical: The product reacted with water forming CO₂ so container may rupture or explode
Eye contact: Irritation, blurred vision, damage
Ingestion: Vomiting, diarrhea, stomach pain, irregular heartbeat
Skin contact: Allergic reactions, skin disorders, rash
Inhalation: Depress central nervous system and results in stupor

8 FIRST AID MEASURE

In case of eye contact rinse carefully and thoroughly with water and seek medical advice. In case of skin contact wipe off mechanical and wash afflicted areas thoroughly with soap and plenty of water. In case of irritation of the respiration tract or swallowing, consult a doctor.

9 CONTROLS/ PERSONAL PROTECTION

Technical protection : Keep container dry and tightly closed in a cool and well ventilated place.
Avoide exposure to temperature above 50 °C. Ensure adequate ventilation or exhaust ventilation in the working area.

Personal Protection : Wer suitable protective clothing, protective gloves, goggles/ mask

10 CHEMICAL REACTIVITY/ STABILITY

Chemical stability: Good stable (Avoid to high temperature and moisture)
Incompatibility : This product react with active hydrogen groups such as amines and alcohols
Decompostion : Reaction with water produces heat and carbon dioxide gas.
Polymerization : Polymerization by alkaline materials and amines.

11 INFORMATION ON TOXICITY

Acute toxicity : LD 50 oral : NO DATA
LC 50 inhalation : NO DATA
Not available

Subacute inhalation toxicity :

Chronic toxicity: Prolonged to the vapor or mist may reduce the function of the lungs.
Sensitizing effect on the skin may be chronic

Carcinogenic effect: No data on the effect on human beings (the IARC test)

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Mutagenic effect: No Data.
Irritation : Prolonged contact on the skin and eye will cause reddish swelling or severe pain

12 ECOLOGICAL INFORMATION

Biodegradability : Not available
Bioaccumulation : Not available
Fish toxicity : Not available
Other information on ecotoxicity : Not available

13 DISPOSAL CONSIDERATIONS:

Disposal methods : Incinerate in an appropriate facility
Treat by authorized agents professionally trained in disposing
Industrial waste : Dispose after forming solid form through reaction with polyol
Handling : Empty drum should be left to stand with water and left to stand for 48 hours.
Water should subsequently be removed afterward

14 TRANSPORT INFORMATION

| | | |
|---------------------------------|-------------|-------------------------------|
| GGVSee / IMDG Code : - - | UN NO : - - | MFAG : - - EMS : - - |
| GGVE / GGVS : Class - - No. - - | | RID / ADR : Class - - No. - - |
| ADNR : Class - - No. - - | Cat - - | ICAO / IATA - DGR : NOT RESTR |

Following all the regulations in your country

Perform under the supervision of an authorized operator

Other information Keep dry
Keep separated from foodstuffs

15 REGULATORY INFORMATION

Following all the regulations in your country

16 OTHER INFORMATION

Reason for issue : Update to new format
Prepared : RAR Resin Technical Dept.