

Safety Data Sheet

Product Name: CRAYAMID 280X-75 **No. Of Pages:** 09

Version of: 2013 / 05 / 02

Super seed version of: 2012 / 02 / 02

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : CRAYAMID 280X-75

CHEMICAL NAME : Polyamide Resin

APPLICATIONS : Resin used as a raw material for paints and varnishes.

SUPPLIER : **ARKEMA CHEMICALS INDIA PVT. LTD**
 D – 43(1), TTC MIDC INDUSTRIAL. AREA
 NAVI MUMBAI – 400706, MAHARASHTRA,
 INDIA.
 Tel .No :- +9122 - 67377100
 Fax :- +9122 - 27687998

2. COMPOSITIONS & INFORMATION ON INGREDIENTS

Name	CAS No	Content	Symbol	R - phrase
Xylene	1330-20-7	25%	X _n	R-10, 20/21, 38
Triethylenetetramine	112-24-3	< 2%	C	R- 21, 34, 43, 52/53

SEE SECTION 16 FOR EXPLANATIONS TO R - PHRASES

3. HAZARDS IDENTIFICATION

Flammable.

- Xn; Harmful by inhalation and in contact with skin
- Xi; May cause sensitization by skin contact
- Xi; Irritating to skin

PHYSICAL RISKS

The mixture of product vapor and air could be explosive.
 Keep away from sources of ignition.

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4. FIRST AID MEASURES

GENERAL	:	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues
INHALATION	:	Take person out of the contaminated area. Remove patient to fresh air Call a doctor in case of doubt or if symptoms persist.
INGESTION	:	DO NOT INDUCE VOMITING! Do NOT make the victim drink milk or fatty fluids. Put under medical supervision. If swallowed, seek immediate medical advice and show container Or label to the doctor
SKIN	:	Remove contaminated clothing. Wash with soap and water and rinse with water.
EYES	:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	:	RECOMMENDED TO USE Powder, foam, CO ₂ , Sand and Water spray. RECOMMENDED NOT TO USE Water Jet
SPECIAL FIRE FIGHTING PROCEDURES	:	Treat as hydrocarbon fire. In case of fire and/or explosion do not breathe fumes. Cool the container exposed to the flame with sprayed water until well after the fire is out. Keep run-off water out of sewers and water sources.
SPECIFIC HAZARDS	:	Forms explosive mixtures with air.
HAZARDOUS COMBUSTION PRODUCTS	:	By combustion formation of toxic products: Carbon, Carbon monoxide, Carbon dioxide...
PROTECTIVE MEASURES IN FIRE	:	Wear individual breathing apparatus.

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6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION	: Avoid inhaling vapors. Wear PPE like Gloves – Goggles – Boots. Wear self-contained breathing apparatus.
ENVIRONMENTAL PROTECTION	: Do not discharge in sewers. Do not allow this chemical to enter the environment. If the product contaminates lakes, rivers or sewers inform appropriate authorities in accordance with local regulations.
SPILL CLEANUP METHODS	: RECOVERY : Spread dry sand. Collect the product in a container pending future destruction. Provide ventilation and confine spills. Do not allow runoff to sewer. Avoid contact with skin or inhalation of spillage, dust or vapor.

7. HANDLING AND STORAGE

USAGE PRECAUTION	: Keep away from sources of ignition. Ventilate well, avoid breathing vapors. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid spilling, skin and eye contact.
STORAGE PRECAUTIONS	: Keep in cool, dry ventilated storage and closed containers. Keep in original container. Take precautionary measures against electrostatic discharges
STORAGE CRITERIA	: Flammable Liquid storage. PACKING MATERIALS RECOMMENDED: Metal packaging. PACKAGING MATERIALS NOT SUITABLE Plastic Packaging.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	CAS No	Reference	S T Exp 15 mins.	L T Exp. 8hrs.
Xylene	1330-20-7	EH 40 (HSE)	100 PPM	50 PPM
Triethylenetetramine	112-24-3	OES	No std.	No std.

PROTECTIVE EQUIPMENTS :



PROCESS CONDITIONS	:	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.
VENTILATION	:	Provide corrosion-resistant local exhaust ventilation.
RESPIRATORS	:	Do not breathe vapors. Wear suitable respiratory protection.(AB)
PROTECTIVE GLOVES	:	Wear Nitrile gloves.
EYE PROTECTION	:	Wear approved safety goggles.
OTHER PROTECTION	:	Wear suitable protective clothing's.
HYGIENIC WORK PRACTICES:		Remove working clothed after work. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	:	Clear Viscous Liquid
COLOUR	:	Brownish
ODOUR	:	Xylene.

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SPECIFIC GRAVITY	:	0.97 @20°C
VISCOSITY	:	20 – 60 Poise @25°C
SOLUBILITY DESCRIPTION	:	Insoluble in water. Soluble in most Organic solvent.
FLASH POINT	:	24°C
AUTO IGNITION TEMP.	:	> 465°C
FLAMMABILITY LIMIT LOWER (%)	:	1
FLAMMABILITY LIMIT UPPER (%)	:	7

10. STABILITY AND REACTIVITY

STABILITY	:	Stable under normal storage condition.
CONDITIONS TO AVOID	:	Heat, Flame and other sources of ignition. Contact with Acids and Oxidizers.
HAZARDOUS DECOMP.PRODUCTS	:	By thermal decomposition, formation of : Toxic gases / vapors / fumes of : Carbon Monoxide (CO). Carbon Dioxide (CO ₂)....

11. TOXICOLOGICAL INFORMATION

INHALATION	:	Harmful by inhalation. Symptoms and signs include: headache, dizziness
INGESION	:	Could cause chemical burn in mouth, oesophagus and stomach.
SKIN	:	Irritating and leads to drying of skin.
EYES	:	Irritating to eyes.

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12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION : Do not discharge into drains or the environment; dispose to an authorized waste collection point.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS : Store waste impregnated with solvents in closed sealed containers.
Disposed to an authorized waste collection point.
Do not allow runoff to sewer, waterway or ground
Dispose of in accordance with local authority requirements

CONTAMINATED PACKAGINGS : Cleaned packaging may be recycled.

14. TRANSPORT INFORMATION

GENERAL : The data included in this section do not take into account the exemptions regarding each transport regulation.

LABEL FOR CONVEYANCE :



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ROAD TRANSPORT :	
UN NO.ROAD	: 1866
CLASS	: 3
ADR PACKING GROUP.	: III
HAZARD NO. (ADR)	: 3 Flammable liquid (flash point between 23°C and 61°C, inclusive) or flammable liquid or solid in the molten state with a flash point above 61°C, heated to a temperature equal to or above it's flash point, or self heating liquid.
PROPER SHIPPING NAME (NATIONAL)	: RESIN SOLUTION
RAIL TRANSPORT :	
RID CLASS NO.	: 1866
RID ITEM NO.	: 3
SEA TRANSPORT :	
UN NO. SEA	: 1866
IMDG CLASS	: 3
MARINE POLLUTANT	: No
AIR TRANSPORT :	
UN NO.	: 1866
ATA/ICAO CLASS	: 3


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15. REGULATORY INFORMATION

SYMBOLS	:	
CONTAINS	:	Triethylenetetramine, Xylene
RISK PHRASES	:	R-10 Flammable. R-20/21 Harmful by inhalation and in contact with skin R-38 Irritating to skin. R-43 May cause sensitization by skin contact.
SAFETY PHRASES	:	S-24 Avoid contact with skin. S-36/37 Wear suitable protective clothing and gloves. S-46 If swallowed seek medical advice immediately and show this container or label. S-60 This material and its container must be disposed of as hazardous waste.
UK REGULATORY REFERENCES	:	Chemicals (Hazard information & Packaging) (CHIP) regulations 2000.
EU DIRECTIVES	:	Council directive 67/ 548 / EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packing and labeling of dangerous substances

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16. OTHER INFORMATION

EXPLANATIONS TO R PHRASES IN SECTION 2 :

R-10 Flammable.
 R-20/21 Harmful by inhalation and in contact with skin.
 R-38 Irritating to skin.
 R-21 Harmful in contact with skin.
 R-34 Causes burn.
 R-43 May cause sensitization by skin contact.
 R-52/53 Harmful to aquatic organisms may cause long term adverse effects in the aquatic environment.

USER NOTES :

This Information only applies to this product which confirms to the specifications of ARKEMA.
 In case of formulations of mixtures, the user must ensure that new hazards are not apparent in line with the above. The information contained herein is based on our knowledge of the product, at the date of publishing and it is given in good faith. Please note the possible risks involved if this product is used for applications other than those for which it is intended. This sheet shall only be used and reproduced for Health & Safety purpose. The reference to legislative & regulatory information and codes of practice are not exhaustive. Other applicable regulations may be considered. It is the responsibility of the user to refer to existing legislation concerning the use, the storage and the safe handling of the product. It is also the responsibility of the user to communicate ALL information related to the protection of Health, safety & the environment contained within this Material safety Data Sheet to those persons involved in the handling of this product.

REVISION DATE : 2013 – 05 – 02

REVISION NO. : 4.0