

MATERIAL SAFETY DATA SHEET

PROPOXY 2K ADHESIVE Paste

1. PREPARATION AND COMPANY IDENTIFICATION:

Preparation Trade Name: IKAN INC
Supplier: IKAN INC
Address: P.O Box 123826, DUBAI – U.A.E.
Telephone: (+971)-4-3285454
Emergency: As Above.

2. HAZARD IDENTIFICATION:

Classification: C Corrosive.
R41 Risk of serious damage to eyes.

Emergency Overview: Severe eye irritant.
Mild respiratory tract irritant.
Mild skin irritant.
Risk of serious damage to eyes.
Corrosive to eyes.

Potential Health Effects:

Inhalation: Harmful if inhaled and may cause delayed lung injury. May cause nose, throat and lung irritation. Inhalation of vapours and/or aerosols in high concentration may cause irritation of respiratory system.

Eye Contact: Severe eye irritation.

Skin Contact: Mild skin irritation.

Chronic Health Hazard: This product contains no listed carcinogens according to directive 67/548/EEC, IARC, ACGIH and/or NTP in concentrations of 0.1 percent or greater.

Aggravated Medical Condition: Eye disease.

Target Organs: Eyes.

Symptoms: Repeated and/or prolonged exposure to low concentrations of vapours and/or aerosols may cause: Sore throat.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Substance/Preparation	: Preparation			
Components	EINECS/ELINCS	CAS Number	Concentration (Weight)	Classification
Blended Amines			100%	

Refer to section 16 for full text of each relevant R-phrase.

CHEMICAL FAMILY: Polyamine/Cyloaliphatic Amine Blend.

4. FIRST AID MEASURES:

General Advice: Seek medical advice. If breathing has stopped or is laboured give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped trained personnel should begin cardiopulmonary resuscitation immediately.

Inhalation: If breathing has stopped or is laboured give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.

Eye Contact: Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids for at least 20 minutes. Remove contact lenses. Care should be taken not to rinse contaminated water into the unaffected eye.

Skin Contact: Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Drench affected area with water for at least 15 minutes.

Ingestion: Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Prevent aspiration of vomit. Turn victim's head to the side.

5. **FIRE FIGHTING MEASURES:**
- Suitable Extinguishing Media:** Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical. Dry sand. Limestone powder.
- Specific Hazards:** Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.
- Special Protective Equipment for Fire Fighters:** Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
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6. **ACCIDENTAL RELEASE MEASURES:**
- Personal Precautions:** Avoid contact with skin, eyes and clothing. Wear suitable protective clothing. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.
- Environmental Precautions:** Try to prevent the material from entering drains or water courses. Do not flush into surface water or sanitary sewer system. Construct a dike to prevent spreading.
- Methods for Cleaning Up:** Collect run-off water and transfer to drums or tanks for later disposal. Full face shield with goggles underneath. Contact Air Products Emergency Response Centre for advice. Approach suspected leak area with caution. Place in appropriate chemical waste container.
- Additional Advice:** Full face shield with goggles underneath. Open enclosed spaces to outside atmosphere. If possible, stop flow of material.
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7. **HANDLING AND STORAGE:**
- Handling:** Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use only in well ventilated areas. Avoid contact with eyes. Avoid breathing vapours and/or aerosols. Use personal protective equipment. When using do not eat, drink or smoke.
- Storage:** Product may partially freeze with extended exposure to cold temperatures, resulting in crystallization, haziness or separation. If this occurs, product should be warmed to 38-60°C for one hour and stirred until clear. Do not store near acids. Keep containers tightly closed in a dry, cool and well ventilated place.
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8. **EXPOSURE CONTROLS/PERSONAL PROTECTION:**
- Engineering Measures:** Provide readily accessible eye wash stations and safety showers. Provide natural or explosion proof ventilation adequate to ensure concentrations are kept below exposure limits.
- Respiratory Protection:** Keep self contained breathing apparatus readily available for emergency use. In atmospheres where the material is sprayed, workers should avoid contact with aerosols containing ENDURA RG through proper engineering controls such as exhaust ventilation and/or proper protective equipment such as full-face air-supplied respirators, gloves and full body protective clothing. Wear appropriate respirator when ventilation is inadequate.
- Hand Protection:** Wear nitrile rubber gloves. In emergency situations, wear impermeable gloves with cuffs to prevent spread of material to area above the wrists. Butyl-rubber. Nitrile rubber. Neoprene gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period.
- Eye Protection:** Where there is the potential for splashing, chemical splash-proof goggles and a face shield must be worn. Other individuals working in this vicinity of the material where exposure can occur should also be fitted with chemical splash goggles.
- Skin and Body Protection:** Long sleeve shirts and trousers without cuffs.
- Environmental Exposure Controls:** Try to prevent the material from entering drains or water courses. Do not flush into surface water or sanitary sewer system. Construct a dike to prevent spreading.
- Special Instructions for Protection and Hygiene:** Discard leather articles. Provide readily accessible eye-wash stations and safety showers. Wash thoroughly at the end of each work shift and before eating, drinking, smoking or using the toilet.
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9. **PHYSICAL AND CHEMICAL PROPERTIES:**
- Form:** Viscous.
- Colour:** Yellow
- Odour:** Ammoniacal.
- Relative Density:** 1.1 (water = 1)
- Density:** 1.1 g/cm³ (68.671 lb/ft³) at 21°C
- pH:** N/A
- Boiling Point Range:** >100°C
- Melting Point Range:** < 0°C
- Flashpoint:** > 100°C

10. STABILITY AND REACTIVITY:

Stability: Stable under normal conditions.

Materials to Avoid: Organic acids (i.e. acetic acid, citric acid etc).
Mineral acids.
Sodium hypochlorite.
Incompatible with bases.
Reaction with peroxides may result in violent decomposition of peroxide, possibly creating an explosion.
Oxidizing agents.

Hazardous Decomposition Products: Nitric acid.
Ammonia.
Nitrogen oxides (NOx).
Nitrogen oxide can react with water vapours to form corrosive nitric acid.
Carbon Monoxide.
Carbon Dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION:

Acute Health Hazard.

Ingestion:

LD₅₀ Acute Toxicity (rats): >2,000 mg/kg

Inhalation: Inhalation of aerosols of a chemically similar material resulted in the deaths of rats during administration and in transient central nervous system, symptoms including lethargy, ataxia, tremors and convulsions.

Eye Irritation/Corrosion: Severe eye irritation. Corrosive to eyes.

Skin Irritation (rabbit): LD₅₀: 2,000 mg/kg

Acute Dermal Irritation/Corrosion: Mild skin irritation. Irritation data from similar products.

Chronic Health Hazard: Ocular irritation tests with rabbits did not result in any animal deaths.

12. ECOLOGICAL INFORMATION:**ECOTOXICITY EFFECTS.**

Aquatic Toxicity: No data is available on the product itself.

Toxicity to other organisms: No data available.

PERFORMANCE AND DEGRADABILITY.

Mobility: No data available.

Bioaccumulation: No data is available on the product itself.

FURTHER INFORMATION.

Information given is based on data obtained from similar substances. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS:

Waste from residues/Unused: Contact supplier if guidance is required.

Contaminated Packaging: Dispose of container and unused contents in accordance with local requirements.

14. TRANSPORT INFORMATION:

ADR/RID: Corrosive.

IMDG: Corrosive.

IATA: Corrosive.

FURTHER INFORMATION.

Not dangerous goods. The transportation information is not intended to convey all specific regulatory data relating to this matter.

15. REGULATORY INFORMATION:**LABELLING ACCORDING TO EEC DIRECTIVE.**

Hazard Symbol: Corrosive.

R-phrase(s): R41 Risk of serious damage to eyes.

S-phrase(s): S25 Avoid contact with the eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

COUNTRY	REGULATORY LIST	NOTIFICATION
USA	TSCA	Included on inventory
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Not on inventory. Notifications have been submitted to Environment Canada.
Australia	AICS	Included on inventory.
Japan	ENCS	Included on inventory.
South Korea	ECL	Not on inventory.
China	SEPA	Included on inventory.
Philippines	PICCS	Not on inventory.

WGK Identification Number: 2 – water endangering.

16. **OTHER INFORMATION:**

Ensure all national/local regulations are observed.

R-phrases) – Components.

R41 Risk of serious damage to eyes.

This Safety Data Sheet has been established in accordance with the applicable European Directives and applies to all countries that have translated the Directives in their National laws.

*Please ensure that it is passed to the appropriate **person(s) in your Company, who are capable of acting on the information.** This information is given in good faith, being based on the latest knowledge available to IKAN INC. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact IKAN INC for further advice before the proposed application is undertaken.*