

KALLAS CHEMICALS

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL SUBSTANCE/PRODUCT AND COMPANY IDENTIFICATION

Product Name: Glass Cleaner

Company Identification: Krishna Enclave, Seethammapeta, Main Road Visakhapatnam - 530016

Application: Glass Cleaner

Emergency Telephone: +91 93900 01431 / +91 97054 51797

SECTION 2. HAZARDS IDENTIFICATION

Risk Phrases:

- None

Environmental Risk Phrases:

- None

Safety Phrases:

- Refer to Section 15

SECTION 3. COMPOSITION AND INGREDIENTS

Mixture in water of non-dangerous ingredients and substances listed below:

Name	CAS No	Content
Anionic surfactant blend	-	5-10%
Iso propyl alcohol	67-63-0	5%
Citric acid	77-92-9	0.15%
Water	-	70%

SECTION 4. FIRST AID MEASURES

Inhalation:

- No special measures required.

Ingestion:

- Do not induce vomiting. Drink a few glasses of water or milk. Seek medical attention.

Skin Contact:

- Wash skin thoroughly with soap and water. Seek medical attention if irritation persists.

Eye Contact:

- Rinse eyes with plenty of water while lifting the eyelids for at least 15 minutes. Seek medical attention if discomfort continues.

Note to Physician:

- Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES**Extinguishing Media:**

- This product is not flammable. Use extinguishing powder or water jet. For large fires, use alcohol-resistant extinguishers.

Specific Hazards:

- None known.

Protective Measures in Fire:

- Not applicable.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

- Not applicable.

Environmental Precautions:

- Spillages or uncontrolled discharges into watercourses must be immediately alerted to the Environmental Agency or other appropriate regulatory body.

Spill Clean-up Methods:

- Small quantities: Collect with a mop and wash with detergent and water.
- Major spills: Contain the spill, collect with suitable absorbent material like vermiculite, and place in a clean, labeled container. Dilute with plenty of water.

SECTION 7. HANDLING AND STORAGE**Precautions for Safe Handling:**

- Keep the container tightly closed. Store in a cool, ventilated place.

Other Recommendations:

- Wash thoroughly after use.

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION**Exposure Standards:**

- Not determined.

Biological Limit Values:

- No biological limit allocated.

Personal Protective Equipment:

- **Respiratory Protection:** Use an appropriate respirator if ventilation is inadequate.
- **Hand Protection:** Use solvent-resistant gloves (nitrile, PVC, or neoprene).
- **Eye Protection:** Safety goggles are recommended.
- **Protective Clothing:** No special protection required beyond standard work clothes.
- **Engineering Controls:** Ensure adequate ventilation. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- **Melting Point:** Not applicable
- **Physical State:** Clear sky blue liquid
- **Boiling Point:** Not applicable
- **pH:** 8-10.5
- **Solubility in Water:** Completely soluble
- **Flashpoint:** Not applicable
- **Specific Gravity:** 0.97-0.99 g/cm³

SECTION 10. STABILITY AND REACTIVITY

Stability:

- Stable under normal conditions.

Dangerous Reactions:

- None.

Decomposition Products:

- None known.

Conditions to Avoid:

- None.

SECTION 11. TOXICOLOGICAL INFORMATION

Product Toxicity:

- The toxicity of this product has not been determined.

Component Toxicity:

- The hazard identifications in Section 2 are derived from the known effects of individual ingredients.

Other Health Effects:

- Low oral toxicity, but ingestion may cause irritation of the gastrointestinal tract.

SECTION 12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** Avoid contaminating waterways.
- **Toxicity of the Products of Biodegradation:** The product will degrade into substances likely to have a low environmental impact when used as directed.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods:**

Dispose of in accordance with Local, State, and Central regulations. Refer to Sections 6, 7, and 8 for further guidance. Contact relevant authorities for details.

SECTION 14. TRANSPORT INFORMATION

- **UN Number:** Not regulated
- **Proper Shipping Name:** Not applicable
- **Class:** Not regulated
- **Subsidiary Risk:** None allocated
- **Packing Group:** Not regulated
- **Hazchem Code:** Not applicable
- **Special Precautions for User:** None

SECTION 15. ADDITIONAL REGULATORY INFORMATION**Regulatory Status:**

- Not regulated.

Risk Phrases:

- **R36:** Irritating to eyes.
- **R41:** Risk of serious damage to eyes.

Safety Phrases:

- **S2:** Keep out of the reach of children.
- **S24:** Avoid contact with eyes.
- **S26:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **S46:** If swallowed, seek medical advice immediately and show the container or label.
- **S37:** Wear suitable gloves.
- **S50A:** Do not mix with other chemicals, especially chlorine-releasing bleaches, as toxic gas will be evolved.

SECTION 16. OTHER INFORMATION

Disclaimer:

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information has been compiled from sources considered dependable and is accurate to the best of the company's knowledge.

This information is offered in good faith. Each user must evaluate the conditions of use and design appropriate protective mechanisms to prevent employee exposures, property damage, or environmental release. The company assumes no responsibility for injury to the recipient or third persons, or for any damage to property resulting from misuse of the product.