

# MATERIAL SAFETY DATA SHEET

<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>	
Trade Name	<b>MET-L-KLEEN 2006-N</b>
Manufacturer/Supplier	<b>ITW</b> Chemin, ITW INDIA LIMITED
Address	Plot No: 34-37, Phase- 2, IDA, APIIC, Pashamylaram, Medak Dist- 502307, INDIA
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## **2. COMPOSITION/INFORMATION ON THE COMPONENTS**

**No Hazardous components as per OSHA' S HAZARD COMMUNICATION STANDARD 29CFR 1910.1200**

Component Name	CAS#	Concentration	Exposure Limits	R-Phrase
Amino alcohols	124-68-5	8-12%	ACGIH: TWA 5 mg/m3	R20/21/22
Amphoteric emulsifier package		12-15%		R36
Butyl Diglycol	112-34-5	1-5%		R36

## **3. HAZARD IDENTIFICATION**

This preparation is classified as dangerous according to Directive 1999/45/EC as amended and adapted. Not classified as dangerous when diluted below 60%.

Main Hazards	
Physical/chemical hazards	Not classified as dangerous
Environmental hazards	Not classified as hazardous
Human health hazards	Irritant to skin and eyes

<b>4. FIRST AID MEASURES</b>	<b>SYMPTOMS</b>	<b>ACTIONS</b>
Eye contact	Causes irritation at the site of contact.	Wash immediately with plenty of soap and water
Skin contact	Causes Irritation and redness	Bathe with running water for 15 minutes. Consult a doctor
Ingestion	May cause gastrointestinal irritation and diarrhea.	Wash out mouth with water
Inhalation	Causes respiratory track irritation..	Remove causality from exposure ensuring one's own safety whilst doing so.

## **5. FIRE FIGHTING MEASURES**

Extinguishing Media	Use foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	Do not use water jet.
Special Hazards of Product	This product may give rise to hazardous fumes in a fire.
Protective Equipment for Fire-Fighting	Wear self-contained breathing apparatus.

## **6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Material can create slippery conditions underfoot.
<b>Environmental Precautions</b>	Try to prevent the material from entering drains or rivers.
<b>Spillages</b>	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Finally flush area with plenty of water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Use only at the dilution specified. See label or technical data sheet.
<b>Storage</b>	Storage temperature should be controlled to between 5 and 40 °C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Control Measures</b>	Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<b>Respiratory Protection</b>	Respiratory protection not normally required.
<b>Hand Protection</b>	Concentrated product - PVC or rubber gloves.  Diluted product - Use a good quality barrier cream.
<b>Eye Protection</b>	Chemical goggles if there is a risk of eye contact.
<b>Body Protection</b>	Normal work wear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid.
<b>Color</b>	Aquamarine blue Liquid
<b>Odor</b>	Faint ammonia odor.
<b>pH</b>	10.0 – 11.0 at 2.0 % volume in water. (Typical)
<b>Boiling Range/Point (°C)</b>	Boils above 100.
<b>Flash Point (PMCC) (°C)</b>	No flash.
<b>Solubility in Water</b>	Miscible.
<b>Density</b>	1.04 (measured as kg/liter)
<b>Auto-flammability (°C)</b>	Not applicable.
<b>Viscosity (CSt)</b>	Mobile liquid at ambient temperatures. ( 5- 8.0CST @37.8C)
<i>The above data cannot be inferred as product specifications</i>	

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	High temperatures.
<b>Materials to Avoid</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products</b>	After evaporation of water, combustion will generate: oxides of nitrogen. ammonia. smoke, possibly thick and choking, resulting in zero visibility.

## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure</b>	Refer to section 4 of SDS for routes of exposure and corresponding symptoms

## 12. ECOLOGICAL INFORMATION

<b>Mobility</b>	The product will leach into soil. The product is non- volatile and water-soluble and will partition to the aqueous phase.
<b>Persistence/Degradability</b>	The product is expected to be partially or slowly biodegradable.

## 13. DISPOSAL

<b>Product Disposal</b>	Incineration. Dispose of in accordance with all applicable local and national regulations.
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<b>Container Disposal</b>	Labels should not be removed from containers until they have been cleaned. Dispose of containers with care. Do not incinerate closed containers.
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## 14. TRANSPORT INFORMATION

<b>ADR/RID</b>	Not classified as hazardous for transport
<b>IMDG/ IMO</b>	Not classified as hazardous for transport
<b>IATA/ICAO</b>	Not classified as hazardous for transport
<b>Proper shipping name</b>	Not regulated
<b>Hazardous class or division</b>	None
<b>Identification no:</b>	None
<b>Packaging group</b>	None

## 15. REGULATORY INFORMATION

**Label requirements**



**IRRITANT**

**Hazard Symbol(s)**

**Indication of danger**

### Risk phrases

R36/37/38- Irritating to eyes, respiratory system and skin.

### Safety phrases

S23- Do not breath vapor or spray.

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

S28- After contact with skin, wash immediately with plenty of soap and water.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

S51- Use only in well-ventilated areas.

**EU regulations** Classification and labeling have been performed according to EU directives 1999/45/EC and

67/548/EEC as amended and adapted.

## 16. OTHER INFORMATION

<b>Other information</b>	INDUSTRIAL CLEANER
<b>HMIS RATING</b>	<b>Health: 2      Reactivity: 2      Flammability: 0</b>
<b>Risk phrases used in s.2</b>	R36: irritating to eyes R38: irritating to skin
<b>Legal disclaimer</b>	The above information is believed to be correct but does not purport to be all-inclusive and shall be only used as guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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