



Crystal India

MATERIAL SAFETY DATA SHEET

Date of Issue: 10-7-05 **Reviewed:** Dec 2010 **Authorised By:** Technical Manager

PRODUCT IDENTIFICATION

Product Name: CRY SOL CU 132

Packaging: Drums / Carboys

Product Type: Solvent

Product Use: See Crysol Application File

PHYSICAL PROPERTIES

Physical state at room temperature

Liquid

Appearance

Colourless

Odour

Characteristic Odour

Specific Gravity at 20/20 °C

1.42

Refractive Index at 27 °C

1.4450

Flammability

None

Ignition Temperature

None

Flash Point

None

Viscosity at 20°C

0.70 CP

Explosive Limits

None

Solubility in water

Insoluble

SPECIFICATIONS:

PROPERTIES

	<u>UNIT</u>	<u>VALUE</u>
Colour	Hazen	50 MAX.
Moisture	% WT.	0.06 MAX.
Non - Volatile Matter	gm/100ml	5-15 mg/100 ml
Alkalinity as Na ₂ CO ₃	% WT	0.0004 MAX.
pH		6-7

FIRE AND EXPLOSION HAZARD INFORMATION

None - Flammable

No Explosion limit

No Flash Point

In air or in Oxygen

No ignition Temperature

FIRE: In case of fire because of thermal decomposition, cool containers. Toxic fumes are involved.

TOXICITY INFORMATION

Crysol CU 132 is a toxic agent on the metabolism of the body. Inhalation of high concentration of vapour can produce dizziness, headache and drowsiness. Repeated over exposure may cause nausea, and vomiting.

MAC LIMITS:

TLV - TVA : 100 PPM

HEALTH HAZARD INFORMATION

- INHALATION:
Remove the patient from the contaminated area keeping him warm and in a well-ventilated place, if breathing is difficult, oxygen must be administered. In case breathing failure, start artificial respiration.
- CALL A PHYSICIAN IMMEDIATELY.
Avoid administration of adrenalin, in case of intoxication by decomposition fumes, keep the patient under observation for at least 24 hours.
- CONTACT WITH EYES:
Irrigate with copious quantities of water for at least 15 minutes keeping eyelids well apart. If irritation persists, call for a specialist.
- CONTACT WITH SKIN;
Take off immediately all contaminated clothing including shoes, at once. All affected skin areas should be thoroughly washed with warm water and soap and then applied with an ointment containing lanoline.
- INGESTION;
If the patient is conscious, induce vomiting mechanically or by giving warm, salty water. If the patient does not vomit, take him to a HOSPITAL.

If patient is unconscious or excited, do not induce vomiting or administer orally, take him immediately to a HOSPITAL.

SPILLAGE AND WASTE

Stop the leak. Limit spreading by using sand or soil. Provide for very good ventilation. Soak up small quantities of product which may have spread by using absorbent material (Rags, sawdust or other inert material) carrying later the contaminated material to a safe and ventilated area, outside working quarters.

If large quantities of product have spread, prevent it from flowing into drains. Collect it in traps for recovery. Intervene only after having worn suitable protective clothing.

STORAGE STANDARD

CAUTIONS:

Keep containers / drums / barrels in a well ventilated, cool place away from direct sunlight.

HANDLING STANDARD

HANDLING:

Crysol CU 132 may be employed in the presence or absence of air, water and light with any of the common metals. It is practically non-flammable at normal room temperature and IF EXPOSED TO SUDDEN HIGH TEMPERATURES, EVOLVES TOXIC GASES, due to decomposition.

Inflammable and explosive compounds may form by rapid decomposition when the solvent is in a definite acidic condition and is exposed to ALUMINIUM fines and chips. With proper controls, the solvent should be kept neutral or alkaline in pH. It should be free of corrosion products.

This condition is not likely to occur if the solvent is properly stabilized and normal handling and equipment maintenance procedures are followed. Under normal condition of use, the solvent is not rendered ineffective by acidic substances or soils introduced into the degreasing machines.

The vapour and liquid, like other solvents, may be harmful if inhaled, swallowed or absorbed by the skin.

USE ONLY WITH ADEQUATE VENTILATION.

PERSONNEL PROTECTION:

Face mask equipped with filter for organic vapours. Gloves, boots and overall with cap suitable to protect Head, Face and Neck. Operate only in well ventilated areas equipped with aspirators at ground level

NOTE:

Separate clothing for work from civil dresses. Wash frequently. Take care of personal Hygiene as better as possible. Appropriate wash apparatus and piping before maintenance.