MATERIAL SAFETY DATA SHEET

SECTION I

DATE OF PREPARATION
January 2005

PRODUCT NAME: ICO-Super Guard
PRODUCT CLASS: Epoxy Resin Hardener, Part B
PRODUCT TYPE: Amine Curing Agent
D.O.T. CATEGORY: Amines Corrosive Liquid, N.O.S.: UN 2735
ADDRESS: International Coatings
2925 Lucy Lane
Franklin Park, IL 60131
TELEPHONE: 847-451-0279
EMERGENCY: 800-535-5053

SECTION II - HAZARDOUS INGREDIENTS
NFPA Hazard Ratings - Health 3, Flammability 1, Reactivity1
Listed below are the hazardous component(s) as defined in 49 CFR 172 and 29 CFR 1910 which are present in this product and all components which appear on the hazardous substance list of any state:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>TWA</th>
<th>STEL</th>
<th>ceiling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene-1,3Dimethaneamine</td>
<td>1477-550</td>
<td>NE</td>
<td>NE</td>
<td>.100mg/ m³ (skin)</td>
</tr>
</tbody>
</table>

SECTION III - PHYSICAL DATA
PHYSICAL STATE: Low Viscosity, light straw color
SPECIFIC GRAVITY: 1.12 at 77°F
DENSITY: 9.33 lbs./gal at 77°F
ODOR: Ammoniacal
VAPOR PRESSURE: 5.50 mm Hg e 70°F

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
FLASH POINT: >212°F (Pensky Martens Closed Cup)
LFL: No data
UFL: No data
Extinguishing Media: Water
SPECIAL FIRE FIGHTING PROCEDURES:
Use a positive pressure, self-contained breathing apparatus. Wear full protection coating.
Note: Will burn under right conditions of heat and oxygen supply.

SECTION V - HEALTH HAZARD DATA
EYES: Severe eye irritant. Undiluted product can cause burns to eye. Burns may cause blindness.
SKIN CONTACT: Severe skin irritant. May cause skin sensitization.
SKIN ABSORPTION: A single prolonged exposure may result in the material being absorbed in harmful amounts. The LD50 for skin absorption in rabbits is 2000 mg/kg.
INGESTION: Single dose oral toxicity is low. The oral LD50 for rats is greater than 2000 mg/kg. Ingestion may cause gastrointestinal irritation or ulceration. Ingestion may cause burns of mouth and throat.
INHALATION: May cause respiratory sensitization in susceptible individuals. Excessive exposure may cause irritation to upper respiratory tract.
SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Did not cause cancer in long-term animal studies. Results of in vitro (test tube) mutagenicity tests have been negative.
FIRST AID:
EYES: Immediate and continuous irrigation with flowing water for at least 15 minutes is imperative. Prompt medical consultation is essential.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing before reuse. Destroy contaminated shoes and other leather items or articles which cannot be decontaminated.

INGESTION: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air if effects occur. Consult a physician.

NOTE TO PHYSICIAN: May cause tissue destruction leading to stricture. If lavage is performed, suggest endotracheal and/or esophagoscopic control. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient. Excessive exposure may aggravate pre-existing asthma.

SECTION VI - REACTIVITY DATA

STABILITY: Can autoignite at elevated temperatures. No data available.

CONDITIONS TO AVOID (if unstable): Not applicable.

INCOMPATIBILITY:
(Materials to Avoid)
Mineral acids (i.e. sulfuric, phosphoric, etc.). Organic acids (i.e. acetic acid, citric acid etc.). Oxidizing Agents (i.e. perchlorates, nitrates etc.). Sodium or Calcium Hypochlorite. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion

HAZARDOUS DECOMPOSITION PRODUCTS:
(Nitrogen oxide can react with water vapors to form corrosive nitric acid (TLV=2 ppm). Carbon Monoxide in a fire. Carbon Dioxide in a fire. Ammonia when heated. Nitrogen Oxides in a fire. Irritating and toxic fumes at elevated temperatures. The oxides of nitrogen gases (except nitrous oxide) emitted on decomposition are highly toxic.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII - SPILL OR LEAK PROCEDURE

ACTION TO TAKE FOR SPILLS/LEAKS: Large spill - dike up and pump into appropriate containers. Small spill - dilute with water and recover or use noncombustible absorbent material/sand and shovel into suitable containers.

WASTE DISPOSAL: Comply with all Federal, State and Local Regulations for hazardous materials. Incineration is acceptable and the preferred method of disposal. However, nitrogen oxide emission controls may be required to meet specifications. Chemical and/or biological degradation is feasible. A suitable industrial or municipal waste treatment system can be used depending on the quality and quantity of waste to be treated, the treatment plant capability, and discharge water quality standards. Dispose of in an approved landfill if allowed locally.

SECTION VIII - SPECIAL PRECAUTION INFORMATION

HAND PROTECTION: Wear suitable gloves: nitrile rubber gloves / PVC gloves.

RESPIRATORY PROTECTION: Not required under normal conditions in a well-ventilated workplace. Under the following conditions a respirator may be required: when product vapor concentration exceeds the limits listed in section 2, during repair and cleaning of equipment, during transfer or discharge of the product, sampling, spray applications. Types of respirators that may be used include the following: Chemical Cartridge Respirator with face piece to protect against the organic vapor, Supplied air respirator with full face piece, Self-contained breathing apparatus in pressure demand mode. In emergency conditions use a self-contained breathing apparatus in pressure demand mode.
**PROTECTIVE CLOTHING:** Rubber apron. Rubber boots.
**EYE PROTECTION:** Full face shield with goggles underneath.

### SECTION IX - SPECIAL PRECAUTIONS

<table>
<thead>
<tr>
<th><strong>STORAGE:</strong></th>
<th>Keep container tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feeding stuffs.</th>
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</thead>
<tbody>
<tr>
<td><strong>HANDLING:</strong></td>
<td>Avoid contact with skin, eyes and clothing. Do not breathe fumes/spray. Handle in well ventilated work space.</td>
</tr>
<tr>
<td><strong>OTHER PRECAUTIONS:</strong></td>
<td>Emergency showers and eye wash stations should be readily accessible.</td>
</tr>
</tbody>
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