



1 - PRODUCT and COMPANY INFORMATION

Company Info: iCoat Products, Inc. www.icoatproducts.com
Company Address: 1519 W. Grant St. Phoenix, AZ 85007, USA
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CHEMTREC: For emergencies in the US Call CHEMTREC: (800) 424-9300
Canutec: In Canada, all CANUTEC: (613) 996-6666 (call collect)
MSDS Format: According to ANSI Z400.1-2004

Product Name: i22 Sealer / Color Enhancer (Natural)

HMIS Classification: H F R PP
2 3 0 G

2 - COMPOSITION INFORMATION

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV OTHER	mm HG @ TEMP	WT %
*Xylene	1330-20-7	100ppm	100 ppm	38.0 @ 68° F	80
Proprietary	Proprietary				50-20

* Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and 40 CFR 372.

3 - HAZARDS IDENTIFICATION

Emergency Overview: Irritant

Potential Health Effects

Target Organs: Eye, Skin Contact, Inhalation, Ingestion.

Eye: May cause redness, burning or itching sensations. Symptoms range from mild to severe.

Skin: Burning and irritation. May cause chemical burns of various degrees.

Inhalation: May cause headaches, dizziness, nausea, loss of coordination or unconsciousness resulting to exposure to vapors or mist.

Ingestion: May yield nausea.

Acute Health Effects: Exposure to eyes, skin and respiratory tract may cause burning and irritation. May cause nervous system depression. Extreme overexposure may cause unconsciousness or possibly death.

Chronic Health Effects: Prolonged exposure to solvent ingredients in section 2 may cause adverse effects to liver, urinary tract and reproductive systems. Reports have associated repeated and prolonged overexposure to permanent brain and nervous system damage.

Aggravation of Pre-Existing Conditions: Dermatitis or lung disorders.

Carcinogenicity: None of the ingredients in this product are listed as carcinogens by IARC, OSHA or NTP

4 -FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for 15 – 20 minutes or until burning stops. Get medical attention immediately.

Skin Contact: Immediately wash skin with soap and plenty of water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops or persists.



Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion: Induce vomiting if large amounts are ingested. Consult medical personnel immediately. Do not give anything by mouth to an unconscious or convulsing person.

5 - FIRE FIGHTING MEASURES

Fire or Explosive Hazards: Yes

Flash Point: 7.222° C : (45° F) (TCC)

Lower Flammable / Explosive Limit: 1.2%

Upper Flammable / Explosive Limit: 7%

Auto Ignition Temperature: 527° C : (980.6° F)

Extinguishing Media: Foam, Alcohol Foam, CO2 or Dry Chemical

Protective Equipment: As in any fire, wear Self –Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

Unusual Fire and Explosion Hazard: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and flames. Closed containers may explode when exposed to extreme heat. Overexposure to product may cause a health hazard. Symptoms may not be immediately apparent. Seek medical attention. Vapors are heavier than air and will collect in low or poorly ventilated areas.

6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions: Use proper personal protective equipment as listed in Section 8. Remove all sources of ignition.

Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.

Spill Cleanup Measures: Ventilate and absorb spill with inert material (e.g., dry sand or earth) or polypropylene or polyethylene fiber products, then place in a chemical waste container. The residue can be removed with hot soapy water. Clean up spills immediately observing precautions in the protective equipment section.

7 - HANDLING AND STORAGE

Handling: Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.

Storage: Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use. Turn off all electrical appliances. Do not smoke. Consult NFPA code. Use grounding procedures. Transfer only in appropriate containers. Keep out of reach of children.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

Other Precautions: When transporting material, avoid build up of vapors in vehicle as these vapors are hazardous and may impair driving ability.

8 - EXPOSURE CONTROLS / PERSONAL PROTECTION – EXPOSURE GUIDELINES

Engineering Controls: Good general ventilation should be sufficient to control airborne levels. Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Fans should be equipped with explosion proof motors. Positive air pressure is recommended. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of personal protective equipment.

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166



Skin Protection:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	No respiratory protection should be needed.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Exposure Guidelines:	None Established

9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Clear Liquid
Odor:	Solvent Odor
Color:	Colorless or pigmented
Boiling Point:	111.11° C : (232° F)
Melting Point:	No Data
Evaporation Rate:	Slower than ether
Specific Gravity (H2O=1):	0.9
Vapor Pressure:	Not Applicable
Vapor Density:	Heavier than air
Solubility in Water:	Not Applicable
Coating VOC:	6.03 lb/GL (723 G/L)

10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions. Reacts violently with strong oxidizing agents.
Conditions to Avoid:	Avoid over exposure to liquid or vapors. Keep away from heat and all other ignition sources. Avoid build-up of vapors.
Incompatibility with Other Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	If by fire, carbon dioxide and carbon monoxide.
Hazardous Polymerization:	Will not occur

11 - TOXICOLOGICAL INFORMATION

Skin:	Skin – Rabbit LD50 : 20,000 mg/kg/ 24H;
Ingestion:	Ingestion – Rat LD50: > 500 mg/kg/ 24H;
Mutagenicity:	Animal mutagenicity studies were negative. In vitro mutagenicity studies were negative in some cases and positive in others.

12 - ECOLOGICAL INFORMATION

Ectotoxicity:	Material is toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in most sensitive species). Acute LC50 for water flea Daphnia magna is 1.3 mg/L. Acute LC50 for fathead minnow (Pimephales promelas) is 3.1 mg/L. Toxicity to aquatic species occurs at concentrations greater than water solubility. Maximum acceptable toxicant concentration (MATC) in water flea Daphnia magna is 0.55 mg/L. Growth inhibition threshold in bacteria is > 42.6 mg C/L. Inhibitory concentration (IC50) in OECD Activated Sludge Respiration Inhibition Test (OECD Test No. 209) is >100 mg/L.
Environmental Fate:	<u>Movement & Partitioning:</u> Biocentration potential is moderate. (BCF between 100 and 3000 or Log Pow between 3 and 5). Potential for mobility in soil is low (KOC between 500 and 2000). Measured log octanol / water partition coefficient (Log Pow) is 3.7 – 3.9. Soil organic carbon / water partition coefficient (Koc) is estimated to be 1800 – 4400. Henry's Law Constant (H) is estimated to be <6.94E-09 atm-m ³ /mole. Log octanol / water partition coefficient (Log Pow) is estimated, using structural fragment method, to be 3.84. <u>Degradation & Persistence:</u> Theoretical oxygen demand (thOD) is calculated to be 2.35 p/p. In the atmospheric environment, material is estimated to have tropospheric half-life of 1.92 hr. Biodegradation reached in modified Zahn-Wellens/EMPA Test (OECD Test No. 302B) after 28 days: 12%. 20-day biochemical oxygen demand (BOD20) is <2.5%



13 - DISPOSAL CONSIDERATIONS

Waste Disposal:

Do not dump into any sewers, on the ground, or into any body of water. Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waster prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and / or state and local guidelines.

14 - TRANSPORTATION INFORMATION

Proper Shipping Name: Flammable Liquid (Paint)
DOT UN Number: UN 1263
DOT Hazard Class: 3
Packaging Group: II
Placards Required: Flammable

15 - REGULATORY INFORMATION

Notice:

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See other sections for health and safety information.

U.S. Regulations:

Sara 313 Information:

This product has been reviewed according to the EPA "Hazard Categories" promulgated under sections 311 and 312 of the Superfund Amendment and Reauthorization ACT of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories.

An immediate health hazard

This product is categorized as "an immediate health hazard due to the potential for allergic skin reaction."

Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA Inventory
OSHA Hazard Communication Standard: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Canada Regulations:

WHMIS Information:

The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for this product is:
D2B – Skin Sensitizer (refer elsewhere in MSDS for specific warnings and safe handling information).

CPR Statement:

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Hazardous Products Act Information:

This product contains the following ingredients which are Controlled Products and/or on the Ingredient Disclosure List (Canadian HPA section 13 and 14): (Cont'd on next page)

Chemical Name – Reaction product of epichlorohydrin	Cas #	Ingredient Percent
Bisphenol A	025085-99-8	100%

Canadian Environmental Protection Act (CEPA): All substances in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.



16 - ADDITIONAL INFORMATION

HMIS Health Hazard: 2
HMIS Fire Hazard: 3
HMIS Reactivity: 0
HMIS Other: G
MSDS Creation Date: June 26, 2006
MSDS Revision Date: September 9, 2009
MSDS Revision Notes: Quarterly Formula Update
MSDS Author: iCOAT Products, Inc.

Disclaimer:

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