



URETHANE 500 –SATIN (PART A)

MATERIAL SAFETY DATA SHEET

1 - PRODUCT and COMPANY INFORMATION

Company Info: iCOAT Products, Inc. www.icoatproducts.com
Company Address: 1519 W. Grant St. Phoenix, AZ 85007, USA
Phone: (602) 258-1114
Fax: (602) 258-1119
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: Urethane 500-Satin - Hardener (Part A) -2:1

Chemical Family: Aliphatic Isocyanate

HMIS Classification: H F R PP
2 3 0 G

2 - COMPOSITION INFORMATION

The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; Components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater; Non-Hazardous components are listed at 3.0% or greater. This is not intended to be complete compositional disclosure. Refer to section 14 for applicable state rights to know and other regulatory information

| Component Name | Cas # | OSHA Pel | ACGIH TLV OTHER | OSHA Stel | WT % |
|--|-----------|----------|-----------------|-----------|-------|
| Saturated Polyester Polyol (non-hazardous) | Unknown | None | None | None | |
| Saturated Polyester Resin (non-hazardous) | Unknown | None | None | None | |
| Proprietary Additives (non-hazardous) | Unknown | None | None | None | |
| Propylene Glycol Monomethyl Ether Acetate | 108-65-6 | None | None | None | |
| *Xylene | 1330-20-7 | 100ppm | 100ppm | 150ppm | <0.5% |
| *Ethyl Benzene | 100-41-4 | 100ppm | 100ppm | 125ppm | <0.5% |
| 2,6-Dimethyl-4-Heptanone | 108-83-8 | 25ppm | 25ppm | None | |
| Dibutyltin Dilurate | 77-58-7 | 0.1mg/m3 | 0.1mg/m3 | 0.1mg/m3 | |
| Methyl N-Amyl Ketone | 110-43-0 | 100ppm | 50ppm | None | |
| Cellulose Acetate Butyrate Ester | 9004-36-8 | None | None | None | |
| Extender (non-hazardous in liquid form) | N/A | None | 2mg/m3 | None | |
| 1,2-Propanediol | 57-55-6 | None | None | None | |
| 1-Methoxy-2-Propanol | 107-98-2 | 100ppm | 100ppm | 150ppm | |
| 1-Methoxy-2-Propanol Acetate | 108-65-6 | None | None | None | |
| Ethyl 3-Ethoxypropionate | 763-69-9 | None | None | None | |

Notes: * Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372. All components are on the TSCA list. Xylene Stel= 150ppm (ACGIH) Methyl N-Amyl Ketone Stel= 100ppm (ACGIH)

3 - HAZARDS IDENTIFICATION

Emergency Overview: This material is Hazardous by OSHA Hazard Communication definition.

Potential Health Effects

Target Organs: Eye, Skin Contact, Inhalation, Ingestion.
Eye: May cause corneal damage if left untreated which is slow to heal but usually reversible



| | |
|--|--|
| Skin: | May cause irritation or allergic response. May cause defatting, dryness, cracking, rash, redness or dermatitis. Skin absorption can occur and solvents can penetrate the skin causing effects similar to those for acute inhalation symptoms. |
| Inhalation: | Inhalation and solvent vapors would be expected to cause irritation of the nose, mouth, throat and lungs. Inhalation may cause asthma like symptoms including; coughing, wheezing, tightness of chest, shortness of breath, headache fatigue and loss of appetite. |
| Ingestion: | Ingestion not a likely route of exposure. Ingestion may result in irritation of the mouth and digestive tract. Gastroenteritis may result with any or all of the following symptoms: Nausea, vomiting, diarrhea and / or headache. Vomiting may cause aspiration of solvents resulting in chemical pneumonitis. |
| Chronic Health Effects: | Chronic exposure to organic solvents has been associated with various neurotoxic effects including brain damage, nervous system damage or death. Prolonged vapor contact may cause conjunctivitis. Chronic inhalation may include loss of memory, loss of intellectual ability and loss of coordination. Corneal damage is possible but usually reversible. Repeated exposure to solvents can cause anemia, liver abnormalities, kidney damage or cardiac abnormalities. |
| Aggravation of Pre-Existing Conditions: | History or presence of allergic disease. Exposure may aggravate one or more of the following medical conditions: Respiratory conditions or other allergic response. |

4 -FIRST AID MEASURES

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| Eye Contact: | Immediately flush eyes with plenty of water for 15 – 20 minutes. Do not attempt to neutralize with chemical agents. Get medical attention immediately if irritation persists. |
| Skin Contact: | Immediately wash skin with soap and plenty of water. Remove contaminated clothing and launder before reuse. |
| Inhalation: | If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention. |
| Ingestion: | If swallowed, DO NOT induce vomiting. Give lukewarm water (pint or ½ liter) if victim is fully conscious and alert. Consult physician immediately. Never give anything by mouth to an unconscious person. |

5 - FIRE FIGHTING MEASURES

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| Flash Point: | 37.7° C (100° F) Set Flash |
| Lower Flammable / Explosive Limit: | Not Available |
| Upper Flammable / Explosive Limit: | Not Available |
| Unusual Fire or Explosive Hazards: | Closed containers may explode when exposed to extreme heat. Solvent vapors may be heavier than air. Under conditions of stagnant air, vapors may build up and travel along the ground to an ignition source which can result in flash back to the source of the vapors. Toxic vapors could be evolved from the combustion of this material. |
| Extinguishing Media: | Foam, Alcohol Foam, CO ₂ , Dry Chemical, Water Fog. |
| Protective Equipment: | Wear special chemical protective clothing and positive pressure self-contained breathing apparatus to protect against potentially toxic and irritating fumes. During a fire, HDI vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion. Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat or burst when contaminated with water (CO ₂ evolved). Solvent vapors may be heavier than air. Stagnant air may cause vapors to accumulate and travel along with the ground to an ignition source which may result in a flashback to the source of vapors. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Decontaminate or discard any clothing that may contain chemical residues. Wear a Self –Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear. Use cold water to cool fire-exposed containers to minimize risk of rupture. Minimize contact with material. |

NFPA Ratings:

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|--------------------|---|
| NFPA Health: | 2 |
| NFPA Flammability: | 3 |
| NFPA Reactivity: | 0 |



6 - ACCIDENTAL RELEASE MEASURES

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| Personnel Precautions: | Use proper personal protective equipment as listed in Section 8. |
| Environmental Precautions: | Prevent entry into sewers and waterways. |
| Spill Cleanup Measures: | Remove all sources of ignition and ventilate area. Use self contained breathing apparatus and body covering protective clothing. Stop release, and prevent flow to sewers or public waters. Notify fire and environmental authorities. Dike and absorb the material with absorbent such as clay. Use suitable disposal containers. |

7 - HANDLING and STORAGE

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|---------------------------|--|
| Shelf Life: | 12 months at 25° C (77° F) in closed original container. |
| Handling: | Handle with care. For industrial use only. Keep container tightly closed when not in use. Properly label all containers. Avoid skin contact, avoid breathing vapors generated from the material. Contaminated leather materials cannot be cleaned and must be discarded. |
| 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. Water contamination should be avoided. |
| Hygiene Practices: | Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist. |

8 - EXPOSURE CONTROLS / PERSONAL PROTECTION – EXPOSURE GUIDELINES

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| Engineering Controls: | Use appropriate engineering controls such as local exhaust ventilation, or other engineering controls to keep airborne levels of the solvent and other hazardous materials below the toxic level concentrations. 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. Do not wear contact lenses. |
| Skin Protection: | Impervious gloves (neoprene or rubber) and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing. Cover as much of exposed skin as possible with appropriate clothing. |
| Respiratory Protection: | Use a NIOSH approved respirator as required to prevent over-exposure to vapor in accordance with 29 CFR 1910.134. Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded or unknown, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown |
| Other Protective: | Employees should wash their hands and face before eating, drinking or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available. . |

9 - PHYSICAL and CHEMICAL PROPERTIES

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|-----------------------------------|------------------------------|
| Physical State Appearance: | Low viscosity liquid |
| Color: | Near colorless liquid- clear |
| Odor: | Ketone solvent odor |
| Boiling Point or Range: | 279° F 329° F |
| Specific Gravity (H2O =1): | 1.0 |
| Solubility in Water: | Negligible |
| Vapor Density: | No data available |



10 - STABILITY and REACTIVITY

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|----------------------------------|---|
| Chemical Stability: | This is a stable material when properly handled and stored. |
| Incompatibility With: | Can react vigorously with strong oxidizing agents and phosphorous containing materials. |
| Hazardous Polymerization: | Will not occur. |
| Conditions to Avoid: | Heat, flames, sparks, other ignition sources and poor ventilation. This material should not be mixed with phosphorous containing material or oxidizers. |
| Decomposition Products: | Carbon monoxide and carbon dioxide. |

11 - TOXICOLOGICAL INFORMATION

No Data Available

12 - ECOLOGICAL INFORMATION

No Data Available

13 - DISPOSAL CONSIDERATIONS

| | |
|-------------------------------------|--|
| Waste Disposal: | Arrange disposal in accordance to the EPA and / or state, local and federal guidelines. Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Avoid contact with water. Aqueous wastes may not biograde. Do not treat biologically; may poison/upset plant biomass. |
| Empty Container Precautions: | Do not heat or cut container with electric or gas torch. Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty. |

14 - TRANSPORTATION INFORMATION

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|---------------------------------|--|
| Technical Shipping Name: | Polyisocyanate containing xylene and butyl acetate |
| Freight Class Bulk: | Isocyanate |
| Freight Class Package: | Chemicals, NOI (Isocyanate), NMFC 60000 |
| Product Label: | Product label established |

DOT

| | |
|------------------------------------|--------------------------|
| Proper Shipping Name: | Flammable Liquid, N.O.S. |
| UN Number: | UN 1993 |
| Hazard Class: | 3 |
| Packaging Group: | III |
| Placards / Labels Required: | Flammable Liquid |

IMO / IMDG Code (Ocean)

| | |
|------------------------------------|--------------------------|
| Proper Shipping Name: | Flammable Liquid, N.O.S. |
| UN Number: | UN 1993 |
| Hazard Class: | 3 |
| Packaging Group: | III |
| Placards / Labels Required: | Flammable Liquid |

ICAO / IATA (Air)

| | |
|------------------------------------|--------------------------|
| Proper Shipping Name: | Flammable Liquid, N.O.S. |
| UN Number: | UN 1993 |
| Hazard Class: | 3 |
| Packaging Group: | III |
| Placards / Labels Required: | Flammable Liquid |
| Radioactive: | Non-Radioactive |



15 - REGULATORY INFORMATION

California PROP 65:

This material is known to contain chemical currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition as follows:

| Chemical Name | Cas # | WT % |
|---------------|-----------|-------|
| Xylene | 1330-20-7 | <0.5% |

A Volatile Organic Compound (VOC) is any volatile compound of carbon excluding methane, carbon monoxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, 1,1-trichloromethane, methylene chloride, (FC-23), (CFC-113), (CFC-22), (CFC-114 & 115). By this definition, this is not a VOC material

Federal Regulations:

- OSHA:** Hazardous by OSHA Hazard Communication definition (See section 3 for details)
- Regulatory Advisory:** This material contains a component(s) with known CAS numbers classified as hazardous substances subject to the reporting of CERCLA (40 CFG302) and / or to the release reporting requirements of SARA (Section 302) based on reportable quantities (RQ)
- TSCA Status:** On TSCA inventory or exempt from listing
- SARA Title III:
Section 313:** This material contains the following chemicals with known CAS numbers subject to the reporting requirements

| Component Name | Reporting Threshold |
|--------------------------------|---------------------|
| Ethyl Benzene (CAS # 110-41-4) | 1% |

Section 311/312: Acute health hazard, chronic health hazard, fire hazard, reactive

16 - ADDITIONAL INFORMATION

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

Disclaimer: Keep fire and sparks away from drums. Since empty containers retain product residue, do not cut, drill, grind, or weld on or near the container until it is thoroughly cleaned.

Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. Remove all ignition sources. Check atmosphere for explosiveness and oxygen deficiencies. Use adequate personal protective equipment. Comply with regulations governing confined space entry.

The information on this MSDS was obtained from sources which we believe are reliable. The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication as part of iCOAT Products, Inc. Product Safety Program. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information obtained herein. Data sheets are available for all of iCOAT's products. You are urged to obtain data sheets for all of iCOAT's products you buy, process, and use or distribute and you are encouraged and requested to advise those who may come in contact with such products of the information contained therein. If the product is used as a component in another product, this MSDS information may not be applicable.

To determine applicability or effects of any law or regulation with respect to the product, user should consult his legal advisor or the appropriate government agency. iCOAT Products does not undertake to furnish advice on such matters.

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URETHANE 500 – SATIN (PART B)

MATERIAL SAFETY DATA SHEET

1 - PRODUCT and COMPANY INFORMATION

Company Info: iCoat Products, Inc. www.icoatproducts.com
Company Address: 1519 W. Grant St. Phoenix, AZ 85007, USA
Phone: (602) 258-1114
Fax: (602) 258-1119
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: Urethane 500-Satin - Resin (Part B) -2:1

Chemical Family: Polyester Polyol in Organic Solvent

HMIS Classification: **H F R PP**
2 3 1 G

2 - COMPOSITION INFORMATION

The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; Components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater; Non-Hazardous components are listed at 3.0% or greater. This is not intended to be complete compositional disclosure. Refer to section 14 for applicable state rights to know and other regulatory information

| Component Name | Cas # | OSHA Pel | ACGIH TLV OTHER | OSHA Stel | WT % |
|---|------------|----------|-----------------|-----------|------|
| Hopolymer of HDI | 28182-81-2 | 1mg/m3 | None | None | |
| *Xylene | 1330-20-7 | 100ppm | 100ppm | 150ppm | 12% |
| *Ethyl Benzene (as a component of xylene) | 100-41-4 | | | | <2% |
| n-Butyl Acetate | 123-86-4 | 150ppm | 150ppm | 200ppm | |
| Hexamethylene Discoyanate (HDI) | 822-06-0 | None | .005ppm | None | |

Notes: * Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372. Xylene Stel= 150ppm (ACGIH) For HDI

3 - HAZARDS IDENTIFICATION

Emergency Overview: This material is Hazardous by OSHA Hazard Communication definition.

Potential Health Effects

Target Organs:

Eye, Skin Contact, Inhalation, Ingestion.

Eye: May cause severe irritation, redness, tearing or blurred vision as well as corneal opacity and conjunctivitis.

Skin: May cause irritation, defatting, or dermatitis. Skin absorption can cause reddening, swelling, rash, scaling or blistering. Overexposure may cause sensitization resulting in reaction to contact of small amounts.

Inhalation: Can cause nausea and respiratory irritation, dizziness, weakness, fatigue, headache and possible unconsciousness. Burning sensation to mucous membranes, shortness of breath and flu like symptoms may occur.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and/or diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Can cause corrosive action to mucous membranes and digestive tracts.



- Chronic Health Effects:** Can cause sensitization by exposure through contact or high concentrations of vapor. Over exposure to this material can cause cardiac abnormalities. Over exposure can possibly cause anemia, liver abnormalities, kidney damage or eye damage. May cause asthma or other respiratory disorders, bronchitis, emphysema, hyperactivity and eczema.
- Aggravation of Pre-Existing Conditions:** Exposure may aggravate one of more of the following medical conditions: Respiratory conditions or other allergic response.

4 -FIRST AID MEASURES

- Eye Contact:** Immediately flush eyes with plenty of water for 15 – 20 minutes. Do not attempt to neutralize with chemical agents. Get medical attention immediately if irritation persists.
- Skin Contact:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing and launder before reuse. Extreme exposure use safety shower immediately.
- Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel and seek immediate medical attention. Asthmatic type symptoms may occur immediately or be delayed for several hours, obtain medical attention.
- Ingestion:** If swallowed, DO NOT induce vomiting. Give water or milk (pint or ½ liter) if victim is fully conscious and alert. Consult physician immediately. Never give anything by mouth to an unconscious person.

5 - FIRE FIGHTING MEASURES

- Flash Point:** 32.7° C (91° F) Seta Flash
- Lower Flammable / Explosive Limit:** Not Available
- Upper Flammable / Explosive Limit:** Not Available
- Unusual Fire or Explosive Hazards:** Closed containers may explode when exposed to extreme heat. Solvent vapors may be heavier than air. Under conditions of stagnant air, vapors may build up and travel along the ground to an ignition source which can result in flash back to the source of the vapors. Toxic vapors could be evolved from the combustion of this material.

Extinguishing Media: Foam, Alcohol Foam, CO₂, Dry Chemical, Water Fog.

Protective Equipment: Wear special chemical protective clothing and positive pressure self-contained breathing apparatus to protect against potentially toxic and irritating fumes. During a fire, HDI vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion. Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat or burst when contaminated with water (CO₂ evolved). Solvent vapors may be heavier than air. Stagnant air may cause vapors to accumulate and travel along with the ground to an ignition source which may result in a flashback to the source of vapors. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Decontaminate or discard any clothing that may contain chemical residues. Wear a Self –Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear. Use cold water to cool fire-exposed containers to minimize risk of rupture. Minimize contact with material.

NFPA Ratings:

NFPA Health: 2
NFPA Flammability: 3
NFPA Reactivity: 1

6 - ACCIDENTAL RELEASE MEASURES

- Personnel Precautions:** Use proper personal protective equipment as listed in Section 8.
- Environmental Precautions:** Prevent entry into sewers and waterways.
- Spill Cleanup Measures:** Remove all sources of ignition and ventilate area. Use self contained breathing apparatus and body covering protective clothing. Stop release, and prevent flow to sewers or public waters. Notify fire and environmental authorities. Dike and absorb the material with absorbent such as clay. Use suitable disposal containers.



7 - HANDLING and STORAGE

| | |
|---------------------------|---|
| Shelf Life: | 12 months at 25° C (77° F) in closed original container. |
| Handling: | Handle with care. For industrial use only. Keep container tightly closed when not in use. Properly label all containers. Avoid skin contact, avoid breathing vapors generated from the material. When spraying material avoid exposure to all mists generated by using air supplied respirator. |
| 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. Water contamination should be avoided. |
| Hygiene Practices: | Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist. |

8 - EXPOSURE CONTROLS / PERSONAL PROTECTION – EXPOSURE GUIDELINES

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|--------------------------------|--|
| Engineering Controls: | Exhaust ventilation sufficient to keep airborne concentrations of HDI below their TLV and MGL maximum levels. 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. Do not wear contact lenses. |
| Skin Protection: | Impervious gloves (neoprene or rubber) and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing. Cover as much of exposed skin as possible with appropriate clothing. |
| Respiratory Protection: | Use a NIOSH approved respirator as required to prevent over-exposure to vapor in accordance with 29 CFR 1910.134. Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded or unknown, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown. Use a positive pressure supplied air respirator when exceeding TLV's or if HDI Monomer concentrations exceed acceptable limits when spraying material. |
| Other Protective: | Employees should wash their hands and face before eating, drinking or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available. . |

9 - PHYSICAL and CHEMICAL PROPERTIES

| | |
|--|-------------------|
| Physical State Appearance: | Liquid |
| Color: | Pale Yellow |
| Odor: | Solvent odor |
| Boiling Point or Range: | 279° F |
| Specific Gravity (H₂O =1): | 1.1 |
| Solubility in Water: | Negligible |
| Vapor Density: | No data available |

10 - STABILITY and REACTIVITY

| | |
|----------------------------------|--|
| Chemical Stability: | This is a stable material when properly handled and stored. |
| Incompatibility With: | Avoid water, amines, strong bases, alcohols, metal compounds, and surface active compounds. |
| Hazardous Polymerization: | Moisture or materials that react with isocyanates and temperatures above 400° F. May cause polymerization. |
| Conditions to Avoid: | Excessive heat, flames, sparks, static discharges, other ignition sources and poor ventilation. |
| Decomposition Products: | May form toxic chemicals, carbon dioxide, carbon monoxide, oxides of nitrogen, HCN and HDI. |



11 - TOXICOLOGICAL INFORMATION

No Data Available

12 - ECOLOGICAL INFORMATION

No Data Available

13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Arrange disposal in accordance to the EPA and / or state, local and federal guidelines. Contaminated product, soil, water, container residues and spill cleanup materials may be hazardous wastes. Avoid contact with water. Aqueous wastes may not biograde. Do not treat biologically; may poison/upset plant biomass.

Empty Container Precautions: Do not heat or cut container with electric or gas torch. Recondition or dispose of empty container in accordance with governmental regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

14 - TRANSPORTATION INFORMATION

Technical Shipping Name: Polyester Polyol in Organic Solvent
Freight Class Bulk: Isocyanate
Freight Class Package: Chemicals, NOI (Isocyanate), NMFC 60000
Product Label: Product label established

DOT

Proper Shipping Name: Flammable Liquid, N.O.S.
UN Number: UN 1993
Hazard Class: 3
Packaging Group: III
Placards / Labels Required: Flammable Liquid

IMO / IMDG Code (Ocean)

Proper Shipping Name: Flammable Liquid, N.O.S.
UN Number: UN 1993
Hazard Class: 3
Packaging Group: III
Placards / Labels Required: Flammable Liquid

ICAO / IATA (Air)

Proper Shipping Name: Flammable Liquid, N.O.S.
UN Number: UN 1993
Hazard Class: 3
Packaging Group: III
Placards / Labels Required: Flammable Liquid
Radioactive: Non-Radioactive

15 - REGULATORY INFORMATION

California PROP 65: This material is known to contain chemical currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition as follows:

| Chemical Name | Cas # | WT % |
|---------------|-----------|-------|
| Xylene | 1330-20-7 | <0.5% |



A Volatile Organic Compound (VOC) is any volatile compound of carbon excluding methane, carbon monoxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, 1,1-trichloromethane, methylene chloride, (FC-23), (CFC-113), (CFC-22), (CFC-114 & 115). By this definition, this is not a VOC material

Federal Regulations:

- OSHA:** Hazardous by OSHA Hazard Communication definition (See section 3 for details)
- Regulatory Advisory:** This material contains a component(s) with known CAS numbers classified as hazardous substances subject to the reporting of CERCLA (40 CFG302) and / or to the release reporting requirements of SARA (Section 302) based on reportable quantities (RQ'
- TSCA Status:** On TSCA inventory or exempt from listing
- SARA Title III:**
- Section 313:** This material contains the following chemicals with known CAS numbers subject to the reporting requirements

| Component Name | Reporting Threshold |
|--------------------------------|---------------------|
| Ethyl Benzene (CAS # 110-41-4) | 1% |

Section 311/312: Acute health hazard, chronic health hazard, fire hazard, reactive

16 - ADDITIONAL INFORMATION

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

Disclaimer: Keep fire and sparks away from drums. Since empty containers retain product residue, do not cut, drill, grind, or weld on or near the container until it is thoroughly cleaned.

Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. Remove all ignition sources. Check atmosphere for explosiveness and oxygen deficiencies. Use adequate personal protective equipment. Comply with regulations governing confined space entry.

The information on this MSDS was obtained from sources which we believe are reliable. The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication as part of iCOAT Products, Inc. Product Safety Program. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information obtained herein. Data sheets are available for all of iCOAT's products. You are urged to obtain data sheets for all of iCOAT's products you buy, process, and use or distribute and you are encouraged and requested to advise those who may come in contact with such products of the information contained therein. If the product is used as a component in another product, this MSDS information may not be applicable.

To determine applicability or effects of any law or regulation with respect to the product, user should consult his legal advisor or the appropriate government agency. iCOAT Products does not undertake to furnish advice on such matters.

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