



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
Emergency: For emergencies Call HAZMAT Services (24hours): (800) 373-7542
SDS Format: According to ANSI Z400.1-2004

Product Name: Urethane 2112
Chemical Name: Industrial Polyurethane, h20 based
Shelf Life: 12 months

HMIS Classification: H F R PP
1 1 0 B

2 - COMPOSITION INFORMATION

Table with 6 columns: Chemical Name, Cas #, OSHA PEL, ACGIH TLV, OSHA STEL, WEIGHT %. Rows include Propylene Glycol, Dipropylene glycol dimethyl ether, and Triethylamine.

** NO TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III & OF 40 CFR 372 ARE PRESENT. **

3 - HAZARDS IDENTIFICATION

Emergency Overview: Irritant
GHS Label Elements & Precautions: -Warning: May be harmful if swallowed.
-Warning: Causes eye irritation
-Warning: May cause an allergic skin reaction
-Keep container tightly closed
-Avoid contact during pregnancy/while nursing
-Wash thoroughly after handling
-Do not eat, drink or smoke when using this product
-Avoid release to the environment.
-Use personal protective equipment as required
-IF ON SKIN: wash with plenty of soap and water.
-IF SKIN irritation or rash occurs: Get medical advice/attention.
-Take off contaminated clothing and wash it before reuse.
-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
-IF EYE irritation persists: Get medical advice/attention.
-Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws

Precautionary Statements: Keep out of reach of children
Read label before use
Wash hands thoroughly after handling

Potential Health Effects



Target Organs: Eye, Skin Contact, Inhalation, and Ingestion.
Aggravation of Pre-Existing Conditions: No Data.
Carcinogenicity: **OSHA:** No **NTP:** No **IARC:** No
Additional Carcinogenicity Info: None

4 -FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for 15 – 20 minutes. Get medical attention or consult a physician
Skin Contact: Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists. Remove contaminated clothing.
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 and consult a physician. Never give anything by mouth to an unconscious person.

5 - FIRE FIGHTING MEASURES

Flash Point: 201° + F
Lower Flammable / Explosive Limit: N/A
Upper Flammable / Explosive Limit: N/A
Method Used: SETA Flash
Extinguishing Media: Use water, dry chemical, co2 or foam when fighting fires involving this material.
Protective Equipment: As in any fire, wear Self –Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire & Explosion Hazard: No unusual fire hazards known. Cool all fire-exposed containers with water.

NFPA Ratings:

NFPA Health: 1
NFPA Flammability: 1
NFPA Reactivity: 0

6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions: Use proper personal protective equipment as listed in Section 8.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.
Spill Cleanup Measures: Absorb spill with inert material (e.g., dry sand or earth), then place in a waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. Flush area with water to remove residue

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. Seal all partially used containers. Keep from freezing.
Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist. Wash with soap & water before eating, drinking, smoking or using restroom. Mixed materials contain the hazards of all the components. Therefore, read the MSDS's of all the components prior to using material. Properly label all containers.
Other: Avoid all skin contact. Avoid breathing vapors generated from material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles cannot be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to reuse.



8 - EXPOSURE CONTROLS / PERSONAL PROTECTION – EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels in lieu of NIOSH respirator. 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 with side shields 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 (neoprene or rubber) and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	Use a NIOSH approved air-purifying respirator with an organic vapor cartridge to prevent over exposure to vapor in accordance with 29CFR 1910.134. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Exposure Guidelines:	Remove contaminated gear and wash before wearing again. Wash separately from other laundry.

9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Low Viscosity Liquid		
Color:	Semi Transparent		
Odor:	Slight		
Boiling Point:	212° F		
Melting Point:	No Data	% Solids (theoretical):	29.57
Flash Point (Closed Cup):	203+ ° F	% Weight VOC:	16.39
Specific Gravity (h20=1):	1.03	VOC (grams/liter):	164.50
Vapor Density:	>1.0	Brookfield Viscosity:	10-500 Centipoise
Evaporation Rate:	<1.0	Vapor Pressure:	Not Applicable
Solubility in Water:	No Data	Auto Ignition Temp:	No Data
Odor Threshold:	Not Applicable	Partition Coefficient: n-octanol/water:	No Data
pH:	8 - 10	Decomposition Temperature:	Not Applicable

10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures. Product is considered non-reactive.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None in particular. Do not allow product to freeze.
Incompatible Materials:	Oxidizing material
Hazardous Decomposition:	Combustion may produce Carbon Dioxide and Carbon Monoxide

11 - TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, skin, ingestion		
Carcinogenicity:	NTP-NO	IARC-NO	OSHA-NO
Reproductive Toxicity:	No Data Available		



Acute Toxicity:	No Data Available
Germ cell mutagenicity:	No Data Available
Sensitization:	No Data Available
LD50 dermal and oral:	No Data Available

*Although there have been no toxicity studies completed for this product, it is not considered to be toxic.

12 - ECOLOGICAL INFORMATION

Although there have been no toxicity studies completed for this product, based on the materials used to manufacture, this product is not believed to be a major ecological hazard.

13 - DISPOSAL CONSIDERATIONS

Waste Disposal: 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. Dispose of in a Waste Disposal site.

14 - TRANSPORTATION INFORMATION

DOT UN Number:	Not Regulated
IMO/IMDG:	Not Regulated

15 - REGULATORY INFORMATION

CAS# 121-44-8 (1-5%):	Massachusetts Substance list (MSL)
State of California safe drinking water and toxic enforcement Act of 1986 (Prop65):	None
Toxic Substance Control Act (TSCA):	All components of this product are listed or are exempt from listing on the US TSCA chemical substance inventory. 40 CFR 723.250 Section V
Superfund Amendments and Reauthorization Act (SARA):	121-44-8 1-5%
OSHA Hazard Communication Standard, 29CFR 1910.1200:	None

Potential Health Effects Carcinogenicity:

OSHA:	NO
NTP:	NO
IARC:	NO

No Listed ingredients of this product are regulated as carcinogens

16 - ADDITIONAL INFORMATION

HMIS Health Hazard:	1
HMIS Fire Hazard:	1
HMIS Reactivity:	0
HMIS Other:	B
MSDS Creation Date:	July 4, 2016
MSDS Revision Date:	July 17, 2017
MSDS Revision Notes:	MSDS to SDS Update
MSDS Author:	iCOAT Products, Inc.

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