

Safety Data Sheet (SDS)

17000 URETHANE CATALYST FOR TPU-122, TPU-188, TPU-2000 AND ESU

Revision Date: 11/24/2015
SDS Number: 492

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Marine Industrial Paint Co., Inc.
4590 60th Ave.
St. Petersburg, FL 33714

Vendor

Marine Industrial Paint Co., Inc.
4590 60th Ave.
St. Petersburg, FL 33714

Contact: Marine Industrial Paint Co., Inc.
Phone: (727) 527-3382 // (800) 459-3382
Fax: (727) 521-1405
Web: http://tuf-top.com

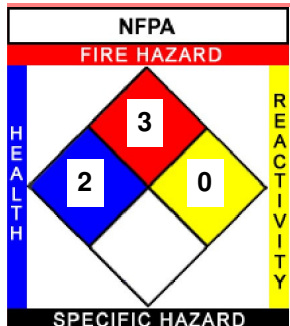
Contact: Marine Industrial Paint Co., Inc.
Phone: (727) 527-3382 // (800) 459-3382
Fax: (727) 521-1405
Web: http://tuf-top.com

Product Name: 17000 Urethane Catalyst
Revision Date: 11/24/2015
Version: 1
SDS Number: 492
Common Name: Paint product
CAS Number: MIXTURE
Chemical Family: Paint products
Chemical Formula: *** PROPRIETARY ***
Product Use: Industrial general
Emergency Phone: (800) 255-3924 (CHEMTEL, 24 Hours)

2 HAZARDS IDENTIFICATION

NFPA:
HMIS III:

Health = 2, Fire = 3, Reactivity = 0
H*2/F3/PH0



HMIS III	
HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARDS	0
PERSONAL PROTECTION G I Safety Glasses, Gloves, Vapor Respirator	

PERSONAL PROTECTION INDEX							
A	Safety Glasses			G	Safety Glasses + Gloves + Respirator		
B	Safety Glasses + Gloves			H	Safety Glasses + Gloves + Vapor Res. + Respirator		
C	Safety Glasses + Gloves + Vapor Res.			I	Safety Glasses + Gloves + Respirator		
D	Safety Glasses + Gloves + Vapor Res. + Respirator			J	Safety Glasses + Gloves + Vapor Res. + Respirator		
E	Safety Glasses + Gloves + Vapor Res. + Respirator			K	Safety Glasses + Gloves + Vapor Res. + Respirator		
F	Safety Glasses + Gloves + Vapor Res. + Respirator			X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions		
A	n	o	p	q	r	s	
Safety Glasses	Splash Goggles	Face Shield & Eye Protection	Gloves	Boots	Synthetic Airtight	Full Suit	
t	u	w	y	z	Additional Information		
Dust Respirator	Vapor Respirator	Dust & Vapor Respirator	Full Face Respirator	Airline Hood or Apron			

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GHS Signal Word:
Warning

GHS Hazard Pictograms:



GHS Classifications:

Flammable liquids:	Category 3
Acute toxicity (Inhalation):	Category 4
Eye irritation:	Category 2A
Skin sensitisation:	Category 1
Carcinogenicity:	Category 2
Specific target organ toxicity – single exposure:	Category 3 (Respiratory system Central nervous system)

Hazard statements:	Flammable liquid and vapor. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer.
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GHS Precautionary Statements:

Prevention:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames, and hot surfaces. - No smoking
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical, ventilating and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust, mist, gas, vapors or spray.
Wash skin and face thoroughly after handling.

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Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear permeation resistant protective gloves and clothing. Wear eye and face protection.

Response:

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical attention.
Call a doctor or emergency medical facility (i.e. 911) if you feel unwell.
If skin irritation or rash occurs: Get medical attention.
If eye irritation persists: Get medical attention.
Wash contaminated clothing before reuse.
In case of fire: Use dry chemical, carbon dioxide (CO₂), foam, or water spray (for large fires) to extinguish.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Store locked up.

Disposal:

Dispose of contents and container in accordance with existing federal, state, and local environmental control laws.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	I	Percentage	I	Chemical Name
1330-20-7	I	<14%	I	Xylene
123-86-4	I	<31%	I	n-Butyl Acetate.
100-41-4	I	<15%	I	Ethyl Benzene
822-06-0	I	<10%	I	Hexamethylene-1,6Diisocyanate
28182-81-2	I	<60-100%	I	Homopolymer of Hexamethylene Diisocyanate

4 FIRST AID MEASURES

Inhalation: If inhaled, move person into fresh air. Monitor respiratory function. Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. Remove contaminated clothing and wash before reuse. If reddening develops and/or persists, obtain medical attention.

Eye Contact: Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. If eye irritation persists, obtain medical attention.

Ingestion: Rinse mouth with water. Do NOT induce vomiting unless instructed to do so. Material can enter lungs (aspiration hazard) during swallowing or vomiting resulting in lung inflammation or other lung injury. Never give anything by mouth to an unconscious person. Get immediate medical attention.

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Most important symptoms and effects, both acute and delayed:

Isocyanate vapors or mist at concentrations above the exposure limits or guidelines can irritate (burning sensation) the mucous membranes in the respiratory tract (nose, throat, lungs) with symptoms of runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing difficulty). Persons with a preexisting, nonspecific bronchial hyperreactivity can respond to concentrations below the exposure limits or guidelines with similar symptoms as well as asthma attack or asthma-like symptoms. Exposure well above exposure limits or guidelines may lead to bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). Chemical or hypersensitivity pneumonitis, with flu-like symptoms (e.g. fever, chills), has also been reported. These symptoms can be delayed up to seven hours after exposure. These effects are usually Reversible. May cause skin irritation with symptoms of reddening, itching, and swelling. Can cause sensitization. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash. Cured material is difficult to remove. Causes serious eye damage with symptoms of eye burns, corneal injury and possible blindness. Vapor or aerosol may cause irritation with symptoms of burning and tearing. May cause irritation of the digestive tract; Symptoms may include abdominal pain, nausea, vomiting, and diarrhea. May cause defatting of the skin with symptoms of dryness and cracking. Inhalation of the solvents may cause central nervous depression with symptoms of nausea, lightheadedness, drowsiness, dizziness and loss of co-ordination. Symptoms affecting the respiratory tract can also occur several hours after overexposure.

Indication of any immediate medical attention and special treatment needed:

Eyes: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic/steroid preparation as needed. Workplace vapors could produce reversible corneal epithelial edema impairing vision. Skin: This compound is a skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burn. Ingestion: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of the compound. Inhalation: Treatment is essentially symptomatic. An individual having a dermal or pulmonary sensitization reaction to this material should be removed from further exposure to any diisocyanate.

FIRE FIGHTING MEASURES

Flammability:	Flammable Liquid Class IC
Flash Point:	25.6 °C (78.0 °F)
Flash Point Method:	(TCC)
Burning Rate:	No data available
Autoignition Temp:	No data available
LEL:	1.0% (V)
UEL:	7.1% (V)

Extinguishing Media:

Dry Chemical
Carbon Dioxide
Foam
Water spray for large fires

Special Hazards Arising From the Substance or Mixture:

Carbon dioxide
Carbon monoxide
Oxides of nitrogen
Dense black smoke
Hydrogen cyanide
Isocyanate
Isocyanic acid
Other undetermined compounds

Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators. Avoid contact with product. Decontaminate equipment and protective clothing prior to reuse. During a fire, isocyanate vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion.

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Further Information:

If incinerated, may release toxic fumes.

Use water spray to cool unopened containers.

Do NOT use high volume water jet to extinguish fire, as the force of the water jet may cause fire to spread.

Beware of vapors accumulating to form explosive concentrations.

Vapors can accumulate in low areas.

Vapors may spread long distances and ignite

Vapors are heavier than air and may travel a considerable distance to a source of ignition and flashback.

Closed container may forcibly rupture under extreme heat or when contents are contaminated with water.

Large fires can be extinguished with large volumes of water from a safe distance, since reaction between water and hot diisocyanate can be vigorous.

Flammable liquid.

See Section 7 for more information on safe handling.

See Section 8 for more information on personal protection equipment.

See Section 13 for disposal information.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Evacuate non emergency personnel and isolate the area.

Use personal protective equipment, including vapor respirator.

Keep from contacting skin or eyes.

Avoid breathing vapors, mist or gas.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

Remove all sources of ignition.

Stay upwind of any spills

If any equipment is necessary, ensure that it is non-sparking and electrically-protected.

Environmental Precautions:

Prevent further release (leakage/spillage) if safe to do so. Do not allow product to enter drains.

Do not allow to drain to environment.

Methods and Materials for Containments and Cleaning Up:

Ensure adequate ventilation.

Absorb with liquid-binding material (kitty litter, vermiculite, Ori-Dri). Do NOT use sawdust.

Place contaminated material into suitable, closed containers for disposal.

Do not fill container more than 2/3 full to allow for expansion and do not tighten the lid on the container.

Spill may also be diluted with a neutralization solution; scrubbing the surface with a broom or brush helps the decontamination solution penetrate into porous surfaces. Wait at least 15 minutes after first application of the neutralization solution.

Check the surface for residual contamination using a isocyanate test kit. If the test kit demonstrates that isocyanate remains on surface repeat cleaning applications until surface is decontaminated.

Collected waste should then be placed in container for disposal. Dispose of contaminated material according to Section 13.

Neutralization Solutions:

Mix equal amounts of: Mineral spirits (80%), VM&P Naptha (15%),

Household detergent (5%) and a 50-50 mixture of monoethanolamine and water.

In a separate container blend the two solutions in a 1:1 ratio by volume. Immediately mix before applying to the contaminated surface.

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Retail products appropriate for Neutralization:

ZEP Commercial Heavy-Duty Floor Stripper

Greased Lightning Super Strength Cleaner and Degreaser

EASY OFF Grill and Oven Cleaner or EASY OFF Fume Free Oven Cleaner

A mixture of 50% Simple Green Pro HD Heavy Duty Cleaner and 50% household ammonia.

A mixture of 90% Fantastic Heavy Duty All Purpose Cleaner and 10% household ammonia.

Reference to Other Sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on proper disposal.

7 HANDLING AND STORAGE

Handling Precautions:

Wear protective clothing including vapor respirator.

Avoid breathing vapors or mist.

Avoid contact with eyes, skin, or clothing.

Keep containers closed when not in use.

Do not expose containers to open flame, excessive heat, or direct sunlight.

Keep away from sources of ignition.

Do not smoke while using material.

Take measures to prevent the buildup of electrostatic charge.

Use proper bonding/grounding during product transfer as described in document NFPA 77.

Do not puncture or drop containers.

Handle with care and avoid spillage on the floor (slippage).

Keep material out of reach of children.

Keep material away from incompatible materials.

Wash thoroughly after handling.

Storage Requirements:

Keep container tightly closed.

Avoid inhalation of vapors or mist upon opening container.

Store in a well-ventilated place.

Do not store in direct sunlight.

Store at temperatures between -34 °C (-29.0 °F) and 50.0 °C (120.0 °F)

Store away from Strong Bases, Alcohols, Copper Alloys, Amines, Water

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

n-Butyl Acetate (123-86-4)

US. ACGIH Threshold Limit Values:

Time weighted Average (TWA): 150 ppm

Short Term Exposure Limit (STEL): 200ppm

OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Permissible exposure limit: 150 ppm, 710 mg/m³

Xylene (1330-20-7)

US. ACGIH Threshold Limit Values:

Time Weighted Average (TWA): 100ppm

Short Term Exposure Limit (STEL): 150ppm

Hazard Designation: Group A4 Not classifiable as a human carcinogen.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Permissible exposure limit: 100ppm, 435 mg/m³

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Ethyl Benzene (100-41-4)

US ACGIH Threshold Limit Values:

Time Weighted Average (TWA): 20ppm

Short Term Exposure Limit (STEL): 125ppm

Hazard Designation: Group A3 Confirmed animal carcinogen with unknown relevance to humans.

Hexamethylene-1,6-Diisocyanate (822-06-0)

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 0.005ppm

Personal Protective Equipment:

Respiratory Protection:

Use of an air purifying (combination organic vapor and particulate) respirator is recommended. Full-face vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds. Respiratory protection must comply with (29 CFR 1910.134).

Hand Protection:

Gloves should be worn, Nitrile rubber gloves, Butyl rubber gloves, Neoprene gloves

Eye Protection:

When handling liquid product, chemical goggles should be worn, chemical safety goggles in combination with a full face shield if a splash hazard exists.

Skin Protection:

Avoid all skin contact. Depending on the conditions of use, cover as much of the exposed skin area as possible with appropriate clothing to prevent skin contact. Gloves long sleeved shirts and pants are recommended.

Medical Surveillance:

All applicants who are assigned to an isocyanate work area should undergo a pre-placement medical evaluation. A history of eczema or respiratory allergies such as hay fever, are possible reasons for exclusion from isocyanate areas. Applicants who have a history of adult asthma should be restricted from work with isocyanates. Applicants with a history of prior isocyanate sensitization should be excluded from further work with isocyanates. A comprehensive annual medical surveillance program should be instituted for all employees who are potentially exposed to diisocyanates. Once a worker has been diagnosed as sensitized to any isocyanate no further exposure can be permitted. Refer to "Bayer's pamphlet on the Medical Surveillance Program for Isocyanate Workers" for more information.

Additional Protective Measures:

Emergency showers and eye wash should be available. Educate and train employees in the safe use and handling of this product. Follow all label instructions.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, Pale Yellow	Odor:	Solvent-like, like fruit
Physical State:	Liquid	Molecular Formula:	MIXTURE
Odor Threshold:	Not determined	Solubility:	Insoluble with water
Particle Size:	Not determined	Softening Point:	Not determined
Spec Grav./Density:	1.06 @ 20° C (68 °F)	Percent Volatile:	25%
Viscosity:	Not determined	Heat Value:	Not determined
Sat. Vap. Conc.:	Not determined	Freezing/Melting Pt.:	Not determined
Boiling Point:	125 - 127 °C (257 - 260 °F)	Flash Point:	33 °C (91 °F)
Flammability:	(solid, gas): Flammable Liquid Class IC	Octanol:	Not determined
Partition Coefficient:	Not determined	Vapor Density:	Not determined
Vapor Pressure:	(mm Hg @ 20 °C): 10	VOC:	Not determined
pH:	Not determined	Bulk Density:	1,060.46 kg/m3
Evap. Rate:	Not determined	Auto-Ignition Temp:	400 °C (752 °F)
Molecular weight:	500 for polyisocyanate	UFL/LFL:	Not determined
Decomp Temp:	Not determined		

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STABILITY AND REACTIVITY

Stability:

Product is stable under normal conditions

Conditions to Avoid:

Heat, flames and sparks

Materials to Avoid:

Water, Amines, Strong Bases, Alcohols, Copper Alloys

Hazardous Decomposition:

Fire and High heat will create Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, dense black smoke, Hydrogen Cyanide, Isocyanate, Isocyanic Acid, Other undetermined compounds.

Hazardous Reactions:

Contact with moisture, other materials that react with isocyanates, or temperatures above 350 °F (177 °C), may cause polymerization.

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TOXICOLOGICAL INFORMATION

Component(s): Homopolymer of Hexamethylene Diisocyanate; n-Butyl Acetate, Xylene, Ethyl Benzene; Hexamethylene-1,6-Diisocyanate.

CAS No(s): 28182-81-2, 123-86-4, 1330-20-7, 10041-4, 822-06-0

Acute Toxicity:

LD50 Oral - Rat: 5000 > mg/k

LD50 Dermal - Rabbit: > 5,000 mg/kg

LC50 Inhalation - Rat: >30 mg/l (4 h)

Skin Corrosion/Irritation: Rabbit skin - Skin irritation (24 h). Rabbit skin - Corrosive

Serious Eye Damage/Eye Irritation: Rabbit eyes – Irritation, corrosive. Human – Irritation, corrosive.

Respiratory or Skin Sensitation: Irritation, Sensitization of respiratory tract. Skin Irritation.

Germ Cell Mutagenicity: Negative

Carcinogenicity: This product is or contains a component that is possibly carcinogenic to humans (Ethyl Benzene), and four components that are not classifiable as to their carcinogenicity to humans (Xylene, Homopolymer of Hexamethylene Diisocyanate, n-Butyl Acetate, Hexamethylene-1,6-Diisocyanate) based on its IARC, ACGIH, NTP or OSHA classification.

IARC: 28 - Group 28: Possibly carcinogenic to humans (Ethyl Benzene); 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene, Homopolymer of Hexamethylene Diisocyanate, n-Butyl Acetate, Hexamethylene-1,6-Diisocyanate).

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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Reproductive Toxicity: Possible reproductive toxicity, not enough data accumulated for conclusive evaluation.

Single Exposure: Respiratory system - May cause drowsiness or dizziness, depression of the central nervous system, weakness, loss of consciousness, nausea and headache.

Specific Target Organ Toxicity: Single exposure Category 3 central nervous system. Respiratory system.

Repeated Exposure: Chronic exposure damages the brain and central nervous system.

Aspiration Hazard: May be fatal if swallowed and enters airways. Respiratory irritation

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ECOLOGICAL INFORMATION

Component(s): Xylene; Solvent naphtha, petroleum, light arom.; Titanium Dioxide; Solvent naphtha, petroleum, light aliph.; Alkanes, C10-13-iso; Octane

CAS No(s): 1330-20-7; 64742-95-6; 13463-67-7; 64742-89-8; 68551-17-7; 111-65-9

Toxicity:

Toxicity to fish:

LC50 - Danio Rerio (Zebra Fish): > 100 mg/l (96 h)

LC50 - Flathead Minnow (Pimephales Promelas): 18 mg/l (96 h)

LC50 - Silverside Minnow (Menidia Peninsulae): 185 mg/l (96 h)

LC50 - Rainbow(Donaldson) Trout (Onorhyncus mykiss) 13.5-17.3 mg/l (96 h)

LC50 - Hybrid striped bass (Morone Saxatilis x Chrysops) 4.3 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water Flea): > 100 mg/l (48 h)

EC50 - Brine Shrimp (Artemia Salina): 32 mg/l (48 h)

Toxicity to plants and algae:

EC50 - Scenedesmus Subspitcatus: > 100 mg/l (72h)

EC50 - Algae: > 100 mg/l (72h)

Persistence and Degradability:

Portions of the mixture are degradable. Aerobic 1-98%, Exposure time: 28 days.

Bioaccumulative potential:

Calculated 4-57.6 BCF, accumulation in aquatic organisms not to be expected.

Mobility in Soil:

If product enters soil, it will be highly mobile and may contaminate groundwater.

Results of PBT and vPvB assessment:

Not required/conducted.

Other Adverse Effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

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DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly and in accordance with existing federal, state and local environmental control laws. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material. Incineration is the preferred method.

Contaminated Packaging: Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed. Do not reuse without thorough commercial cleaning and reconditioning.

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TRANSPORT INFORMATION

RSPA/DOT Regulated Components:

n-Butyl Acetate
Xylene
Ethyl Benzene
Hexamethylene-1,6-Diisocyanate

DOT (US):

UN Number: UN1866
Class: 3
Packing Group: III
Proper Shipping Name: Resin solution (contains Xylene, n-Butyl Acetate, Ethylbenzene)
Hazard Label(s): Flammable Liquid

IMDG

UN Number: UN1866
Class: 3
Packing Group: III
Proper Shipping Name: Resin Solution(Contains Xylene, n-Butyl Acetate, Ethylbenzene)
Hazard Label(s): Flammable Liquid

IATA/ICAO

UN Number: UN1866
Class: 3
Packing Group: III
Proper Shipping Name: Resin Solution(Contains Xylene, n-Butyl Acetate, Ethylbenzene)
Hazard Label(s): Flammable Liquid



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REGULATORY INFORMATION

United States Federal Regulations

US Toxic Substances Control Act: Listed on the TSCA Inventory

US EPA CERCLA Hazardous Substances (40CFR 302) Components:

n-Butyl Acetate	Reportable quantity: 5000lbs
Xylene	Reportable quantity: 100lbs
Ethyl Benzene	Reportable quantity: 1000lbs

SARA Section 311/312 Hazard Categories:

Acute Health Hazard
Fire Hazard

EPA Emergency Planning and Community Right-To-Know Act (EPCRA) Sara Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components:

None

US EPA Emergency Planning and Community Right-To-Know Act (EPCRA) Sara Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components:

Xylene
Ethyl Benzene

US EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

Under RCRA, it is the responsibility of the person who generates a solid waste, as definite in 40 CFR 261.2, to determine if that waste is a hazardous waste. In its purchased form, this product meets the criteria of ignitability under 40 CFR 261.21(a), and when discarded in that form should be managed as hazardous waste.

REGULATORY KEY DESCRIPTIONS:

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

EPCRAWPC = EPCRA Water Priority Chemicals

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHAWAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

PROP65 = CA Prop 65

SARA311/312 = SARA 311/312 Toxic Chemicals SARA313 = SARA 313 Title III Toxic Chemicals TOXICRCRA =

RCRA Toxic Hazardous Wastes (U-List) TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

TXHWL = TX Hazardous Waste List

Mass/NJ/PA:

Weight Percent

Components

CAS-No.

60-100%	Homopolymer of Hexamethylene Diisocyanate	28182-81-2
10-30%	n-Butyl Acetate	123-86-4
7-13%	Xylene	1330-20-7
1-5%	Ethyl Benzene	100-41-4
0.1-1%	Hexamethylene-1,6-Diisocyanate	822-06-0

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NJHS:

Weight Percent	Components	CAS-No.
10-30%	n-Butyl Acetate	123-86-4
7-13%	Xylene	1330-20-7
1-5%	Ethyl Benzene	100-41-4
1-1%	Hexamethylene	822-06-0

Prop 65:

Weight Percent	Components	CAS-No.
1-5%	Ethyl Benzene	100-41-4

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OTHER INFORMATION
Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that Marine Industrial Paint Co., Inc. believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of Marine Industrial Paint Co., Inc.'s control, Marine Industrial Paint Co., Inc. makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

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