

Wearcoat 3015 Clear

1	PRODUCT AND COMPANY IDENTIFICATION
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Product Identifier: Wearcoat 3015 Clear
Common Name: Waterbased aliphatic polyurethane
SDS Number: I9
Revision Date: 5/26/2015
Version: 1
Supplier Details: Coatings for Industry, Inc.
 319 Township Line Road
 Souderton, PA 18964

Emergency: Infotrac
Contact: USA: 1-800-535-5053 / International :352-323-3500
Phone: 215-723-0919
Fax: 215-723-0911
Email: cs@cficoatings.com
Web: www.cficoatings.com

2	HAZARDS IDENTIFICATION
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Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

- Health, Reproductive toxicity, 1 B
- Health, Skin corrosion/irritation, 2
- Health, Serious Eye Damage/Eye Irritation, 2 B
- Health, Specific target organ toxicity - Single exposure, 3
- Health, Acute toxicity, 4 Oral
- Environmental, Hazards to the aquatic environment - Chronic, 3
- Health, Acute toxicity, 4 Inhalation

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H360 - May damage fertility or the unborn child
- H315 - Causes skin irritation
- H320 - Causes eye irritation
- H336 - May cause drowsiness or dizziness
- H302 - Harmful if swallowed
- H412 - Harmful to aquatic life with long lasting effects
- H332 - Harmful if inhaled

GHS Precautionary Statements:

no GHS precautionary statements indicated

Wearcoat 3015 Clear

3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
121-44-8	0.5-1.5%	Triethylamine
872-50-4	6.0-8.0%	1-Methyl-2-pyrrolidone
34590-94-8	3.5-4.5%	Dipropylene glycol methyl ether

4 FIRST AID MEASURES

Inhalation:	If inhaled, remove to fresh air. Get medical attention if irritation develops.
Skin Contact:	In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops.
Eye Contact:	In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.
Ingestion:	If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5 FIRE FIGHTING MEASURES

Flash Point:	Greater than 200F
Flash Point Method:	TCC
Extinguishing Media - Alcohol, foam, CO2, dry chemical	
Unusual Fire and Explosion Hazards - Material will not sustain combustion but closed containers may explode due to build up of steam pressure when exposed to heat.	

6 ACCIDENTAL RELEASE MEASURES

Avoid breathing vapors. Ventilate area. Remove with inert absorbent.

7 HANDLING AND STORAGE

Handling Precautions:	Avoid repeated or prolonged contact with skin. Do not take internally.
Storage Requirements:	Do not store above 120 F. Keep from freezing. Do not leave containers open.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable and stated limits.
Personal Protective Equipment:	Protective Gloves - Required - polyethylene lined recommended. Eye Protection - Use safety eye wear to protect against splashed liquid. Other Protective Equipment - Protective overalls will prevent clothing contamination and skin irritation. Respiratory Protection - In restricted ventilation areas, use Bureau of Mines approved chemical-mechanical filters designed to remove gas and vapor. In confined areas, use Bureau of Mines air line type respirator or hood.

Triethylamine (121-44-8) [0.5-1.5%]

TWA 1 ppm USA. ACGIH Threshold Limit Values (TLV)

Visual impairment

Wearcoat 3015 Clear

Not classifiable as a human carcinogen
 Danger of cutaneous absorption

STEL 3 ppm USA. ACGIH Threshold Limit Values (TLV)

Visual impairment
 Not classifiable as a human carcinogen
 Danger of cutaneous absorption

TWA 10 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
 40 mg/m³

STEL 15 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
 60 mg/m³

TWA 25 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
 100 mg/m³

The value in mg/m³ is approximate.
 See Appendix D - Substances with No Established RELs

1-Methyl-2-pyrrolidone (872-50-4) [6.0-8.0%]

TWA 10 ppm USA. Workplace Environmental Exposure Levels (WEEL)

Skin

Dipropylene glycol methyl ether (34590-94-8) [3.5-4.5%]

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)
 Eye & Upper Respiratory Tract irritation Central Nervous System impairment Danger of cutaneous absorption

STEL 150 ppm USA. ACGIH Threshold Limit Values (TLV)
 Eye & Upper Respiratory Tract irritation Central Nervous System impairment Danger of cutaneous absorption

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1
 600 mg/m³ Limits for Air Contaminants
 Skin designation The value in mg/m³ is approximate.

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
 600 mg/m³ 1910.1000
 Skin notation

STEL 150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
 900 mg/m³ 1910.1000
 Skin notation

TWA 100 ppm USA. NIOSH Recommended Exposure Limits
 600 mg/m³
 Potential for dermal absorption

ST 150 ppm USA. NIOSH Recommended Exposure Limits
 900 mg/m³

Wearcoat 3015 Clear

Potential for dermal absorption

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Clear to milky white	Odor:	Slight ammonia odor
Physical State:	Liquid	Solubility:	Miscible in water
Spec Grav./Density:	1.05-1.15	Percent Volatile:	65-70%

10	STABILITY AND REACTIVITY
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Chemical Stability:	This product is stable
Conditions to Avoid:	Protect from freezing
Materials to Avoid:	Oxidizing agents, isocyanates
Hazardous Decomposition:	By Fire: Carbon Dioxide Carbon Monoxide Nitrogen oxides (NOx), Amines, other aliphatic fragments which have not been determined
Hazardous Polymerization:	Hazardous polymerization will not occur.

11	TOXICOLOGICAL INFORMATION
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Triethylamine (121-44-8) [0.5-1.5%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 730 mg/kg

LC50 Inhalation - rat - 4 h - 7.1 mg/l

LD50 Dermal - rabbit - 580 mg/kg

no data available

Skin corrosion/irritation: Skin - rabbit Result: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

Wearcoat 3015 Clear

RTECS: YE0175000

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting
Central nervous system - Irregularities - Based on Human Evidence

1-Methyl-2-pyrrolidone (872-50-4) [6.0-8.0%]

Information on toxicological effects

Acute toxicity:

LD50 Oral - rat - 3,914 mg/kg

LDLO Inhalation - rat - 4 h - > 5100 ppm

LD50 Dermal - rabbit - 8,000 mg/kg

no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes - rabbit Result: Eye irritation

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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 known or anticipated 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.

Reproductive toxicity: Damage to fetus possible

no data available

Specific target organ toxicity - single exposure: Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: UY5790000

prolonged or repeated exposure can cause:, Vomiting, Diarrhoea, Abdominal pain, Rats exposed to 1-methyl-2- pyrrolidinone at a concentration of 1 mg/L as an aerosol for 10 days showed depletion of hematopoietic cells in the bone marrow and atrophy of the lymphoid tissues of the thymus, spleen, and lymph nodes.

Bone marrow - Irregularities - Based on Human Evidence

Dipropylene glycol methyl ether (34590-94-8) [3.5-4.5%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 5,152 mg/kg

Wearcoat 3015 Clear

Inhalation LC50 no data available
Dermal LD50
Other information on acute toxicity

Skin corrosion/irritation: Serious eye damage/eye irritation:

Eyes - rabbit - Mild eye irritation - 24 h

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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 known or anticipated 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.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: JM1575000

12

ECOLOGICAL INFORMATION

Triethylamine (121-44-8) [0.5-1.5%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 43.7 mg/l - 96 h.

LC50 - Oncorhynchus mykiss (rainbow trout) - 126 - 150 mg/l - 60 d

LOEC - Danio rerio (zebra fish) - 320 mg/l - 7 d

Wearcoat 3015 Clear

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 200 mg/l - 48 h.
other aquatic invertebrates
Toxicity to bacteria LC50 - Bacteria - 95 mg/l - 17 h.

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.

no data available

1-Methyl-2-pyrrolidone (872-50-4) [6.0-8.0%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - other fish - 4,000 mg/l - 96 h.

LC50 - Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - > 1,000 mg/l - 24 h.

other aquatic invertebrates

Toxicity to bacteria LC50 - Bacteria - > 9,000 mg/l:

Persistence and degradability: Biodegradability Result: 90 % - Readily biodegradable.

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Dipropylene glycol methyl ether (34590-94-8) [3.5-4.5%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - > 10,000 mg/l - 96 h.

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 1,919 mg/l - 48 h.

and other aquatic invertebrates

Persistence and degradability: Biodegradability

Bioaccumulative potential: no data available

Wearcoat 3015 Clear

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

13	DISPOSAL CONSIDERATIONS
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Product: Offer surplus solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Comply with all local, state, and federal waste disposal regulations.

Contaminated packaging: Dispose of as unused product.

14	TRANSPORT INFORMATION
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Not regulated for transportation.

15	REGULATORY INFORMATION
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Component (CAS#) [%] - CODES

Triethylamine (121-44-8) [0.5-1.5%] CERCLA, CSWHS, HAP, MASS, OSHAWAC, PA, SARA313, TSCA, TXAIR

1-Methyl-2-pyrrolidone (872-50-4) [6.0-8.0%] MASS, NJHS, PA, SARA313, TSCA

Dipropylene glycol methyl ether (34590-94-8) [3.5-4.5%] MASS, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

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- CERCLA = Superfund clean up substance
 - CSWHS = Clean Water Act Hazardous substances
 - HAP = Hazardous Air Pollutants
 - MASS = MA Massachusetts Hazardous Substances List
 - OSHA = OSHA workplace Air Contaminants
 - PA = PA Right-To-Know List of Hazardous Substances
 - SARA313 = SARA 313 Title III Toxic Chemicals
 - TSCA = Toxic Substances Control Act
 - TXAIR = TX Air Contaminants with Health Effects Screening Level
 - NJHS = NJ Right-to-Know Hazardous Substances

Wearcoat 3015 Clear

16

OTHER INFORMATION

NOTICE : This information is presented in good faith and believed to be accurate as of the effective date below. However, no warranty is express or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Coatings For Industry, Inc. assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material, such vendees or users assume all risks associated with the use of the material. 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 preceding specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.