

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
 Trade name : Non NMP Patented Hydrophilic Coating 11-107
 Product code : 11-107

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Coating

1.3. Details of the supplier of the safety data sheet

Coatings2Go
 399 Concord Street
 Carlisle MA, 01741 - USA
 T 1-978-369-7411 - F 978-371-9940
info@coatings2go.com - COATINGS2GO.COM

1.4. Emergency telephone number

Emergency number : 1-978-369-7411

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) : None Required
 Signal word (GHS-US) : Not Applicable
 Hazard statements (GHS-US) : None Required
 Precautionary statements (GHS-US) : None Required

2.3. Other hazards

Other hazards not contributing to the classification : Not expected to produce significant adverse health effects when the recommended instruction for use are followed.

2.4. Unknown acute toxicity (GHS-US)

6% of this product is of unknown acute toxicity.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification *
Dipropylene glycol dimethyl ether (Constituent)	(CAS No) 111109-77-4	1.70	Flam. Liq. 4, H227

This product contains triethyl amine neutralizing agent at concentrations of 0.254% which is bound in the matrix of this product as a salt as supplied. This amine salt is considered essentially unreactive at room temperature. Generation of amine vapors is expected when this product is processed (heated) during the drying/hardening of the coating.

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.
- First-aid measures after skin contact : Wash skin thoroughly with soap and water. If irritation develops seek medical attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. If irritation develops seek medical attention.
- First-aid measures after ingestion : DO NOT INDUCE VOMITING. Immediately rinse mouth and drink plenty of water. Seek medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

- Acute Symptoms/injuries after inhalation : Based upon the classification of this product and similar product no significant symptoms are expected. Inhalation of vapours may cause mild respiratory irritation.
- Acute Symptoms/injuries after skin contact : Based upon the classification of this product and similar product no significant symptoms are expected. This product may cause mild skin irritation based on similar materials.
- Acute Symptoms/injuries after eye contact : Based upon the classification of this product and similar product no significant symptoms are expected. This product may cause mild eye irritation based upon similar materials. Liquid may produce irritation experienced as excess redness and swelling of the conjunctiva.
- Acute Symptoms/injuries after ingestion : Based upon the classification of this product and similar product no significant symptoms are expected. May be harmful if swallowed.
- Chronic symptoms : Repeated chronic exposure to organic solvents has been reported to be associated with effects on the Adrenal gland, kidney, and liver.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use water fog, foam carbon dioxide dry chemical, halogenated agents.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NOx).
- Explosion hazard : Not determined.

5.3. Advice for firefighters

- Firefighting instructions : The material will not support combustion unless the water has evaporated.
- Protection during firefighting : Wear self-contained breathing apparatus with full facepiece and full protective clothing. If contact occurs with material or its solutions, immediately flush with water and remove contaminated clothing.
- Other information : Irritating and highly toxic gases may be generated by thermal decomposition or combustion in a fire. Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NOx).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : No action shall be taken involving any personal risk without suitable training.

6.1.1. For non-emergency personnel

- Protective equipment : Wear skin, eye and respiratory protection during cleanup. Floors may become slippery if spilled. Avoid breathing vapors.
- Emergency procedures : Evacuate unnecessary personnel. Do not touch or walk through spilled material. Use personal protective equipment as required.

6.1.2. For emergency responders

- Protective equipment : Wear skin, eye and respiratory protection during cleanup. Floors may become slippery if spilled.
- Emergency procedures : Avoid breathing vapors. Ventilate area. Wear recommended personal protective equipment.

6.2. Environmental precautions

Clean up any spills as soon as possible, using an absorbent material to collect it. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Refer to all applicable national, international and local regulations or provisions.

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6.3. Methods and material for containment and cleaning up

- For containment : Stop spill if without risk. Move containers from spill area. Clean up any spills as soon as possible, using an absorbent material to collect it.
- Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.
- Other information : Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Use only with adequate ventilation.
- Precautions for safe handling : This product which contains an aqueous dispersion of a polymer may be difficult to remove without injuring the skin if allowed to dry. Do not eat, drink or smoke when using this product.
- Hygiene measures : Eyewash station and safety shower are recommended in work area. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Remove/Take off immediately all contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep from freezing. Store, if possible, in a cool, well ventilated place away from incompatible materials. Store away from direct sunlight or other heat sources. Store at temperatures above 0 °C. Store in a well-ventilated place. Keep container tightly closed.
- Incompatible materials : Strong acids. amines.
- Storage temperature : > 0 °C
- Storage area : Store tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Non NMP Patented Hydrophilic Coating 11-107		
No ACGIH, TLV or OSHA PEL is assigned to this mixture.		
Dipropylene glycol dimethyl ether (CAS# 111109-77-4)		
Supplier Recommendation	TWA (ppm)	20 ppm
Triethylamine (CAS# 121-44-8)		
USA ACGIH	TWA (ppm)	0.5 ppm

8.2. Exposure controls

- Personal protective equipment : Personal protective equipment should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling the product. Gloves. Safety glasses. chemical resistant apron. Insufficient ventilation: wear respiratory protection.



- Materials for protective clothing : Butyl rubber.
- Hand protection : Wear suitable gloves resistant to chemical penetration.
- Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. . Safety glasses with side-shields. Face shield if splashing is possible.
- Skin and body protection : Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.
- Respiratory protection : Local exhaust or breathing protection. If needed, a NIOSH certified respirator for organic vapors, mists and fumes is recommended if there is a potential to exceed the exposure limits or guidelines.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Translucent. Viscous.
Colour	: Milky
Odour	: Mild amine
Odour threshold	: No data available
pH	: 7.5 - 9.5
Relative evaporation rate (butylacetate=1)	: < 1
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ~1.05 g/ml
Solubility	: Miscible with water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Keep from freezing.

10.5. Incompatible materials

Strong acids. amines.

10.6. Hazardous decomposition products

Carbon oxides (CO and CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

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Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Other information	: Likely routes of exposure: inhalation, skin and eye.

Dipropylene glycol dimethyl ether (CAS# 111109-77-4)	
LD50 oral mouse	3,300 mg/kg
LD50 dermal rat	>2,000 mg/kg
LC50 inhalation rat	> 5.25 mg/l/4h (no deaths occurred at this concentration)
Skin corrosion/irritation	Not likely to cause skin irritation.
Serious eye damage/irritation	May cause slight eye irritation. Corneal damage is unlikely.
Respiratory	Not expected to cause adverse effects. Narcotic effects were not observed.
Sensitization	Skin contact may cause an allergic reaction in a small proportion of individuals. No relevant data found for respiratory sensitization.
Germ cell mutagenicity	No Data Available.
Carcinogenicity	Not listed as a carcinogen by ACGIH, IARC, NTP or CA Prop 65
Reproductive toxicity	In animal studies, did not interfere with reproduction.
Teratogenicity	Did not cause birth defects in laboratory animals. Has been toxic to the fetus in laboratory animals at doses toxic to the mother.
Aspiration hazard	Not Classified
Other information: Chronic Exposure:	In animals, effects have been reported in the following organs: Adrenal Gland, Kidney, Liver.
Triethylamine (CAS# 121-44-8)	
LD50 oral rat	730 mg/kg
LD50 dermal rat	mg/kg
LC50 inhalation rat	7.22 mg/l/4h (Test Atmosphere: Vapor)
Skin corrosion/irritation	Causes severe burns
Serious eye damage/irritation	Causes serious eye damage.
Respiratory	Not Classified.
Sensitization	Not Classified.
Germ cell mutagenicity	Not Classified
Carcinogenicity	Not listed as a carcinogen by ACGIH, IARC, NTP or CA Prop 65
Reproductive toxicity	Not Classified.
Teratogenicity	Did not teratogenic effects in laboratory animals.
Aspiration hazard	Not Classified
STOT- Single Exposure	May cause respiratory irritation.
STOT- Repeated Exposure	Not Classified.

SECTION 12: Ecological information

12.1. Information on ecotoxicological effects

Non NMP Patented Hydrophilic Coating 11-107	
No Data Available for Environmental Toxicity	
Dipropylene glycol dimethyl ether (CAS# 111109-77-4)	
Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/l in most sensitive species tested).	
LC50 fishes	> 1000mg/l <i>Poecilia reticulata</i> (guppy) - 96 h
EC50 Daphnia	> 1000 mg/l Static Test, 24 h
LC50 Soil-dwelling organisms	> 1000 mg/Kg – 14d (earthworms), survival
Triethylamine (CAS# 121-44-8)	
LC50 fishes	24 mg/l <i>Oryzias Latipes</i> - 96 h

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Triethylamine (CAS# 121-44-8)	
LC50 Daphnia 1	17 mg/l 48 h
EC50 algae/aquatic plants	No Data Available

12.2. Persistence and degradability

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Persistence and degradability	Not available.

Dipropylene glycol dimethyl ether (CAS# 111109-77-4)	
Persistence and degradability	Inherently Biodegradable.

Triethylamine (CAS# 121-44-8)	
Persistence and degradability	Readily Biodegradable.

12.3. Bioaccumulative potential

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Log Pow	Not available

Dipropylene glycol dimethyl ether (CAS# 111109-77-4)	
Log Pow	BCF , <100 or Log Pow <3

Triethylamine (CAS# 121-44-8)	
Persistence and degradability	BCF , 0.5 Log Pow 1.45

12.4. Mobility in soil

Triethylamine (CAS# 121-44-8)	
Partition coefficient	Koc : 107.2

Dipropylene glycol dimethyl ether (CAS# 111109-77-4)	
Partition coefficient	Koc : 2 (estimated)

12.5. Other adverse effects

Effect on ozone layer	: No additional information available
Effect on the global warming	: No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Collect all waste in suitable and labelled containers and dispose according to local legislation.
Waste disposal recommendations	: This material and its container must be disposed of in a safe way, and as per local legislation.
Additional information	: Not considered hazardous under US RCRA regulations. Empty containers contain product residue. Observe all hazard precautions. Remove all product residue from container and puncture or otherwise destroy the empty container before disposal. Do not distribute, furnish or reuse empty containers except for storage and shipment of original product.

SECTION 14: Transport information

DOT

Transport document description	: Not regulated
DOT NA no.	: Not regulated
DOT Proper Shipping Name	: Not regulated

Additional information

Other information	: No supplementary information available.
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ADR

Transport document description	:
Class (ADR)	: Not regulated
Danger labels (ADR)	: Not applicable

Transport by sea

Class (IMDG)	: Not subject
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Air transport

Class (IATA) : Not subject

SECTION 15: Regulatory information

15.1. US Federal regulations

Hydrophilic Coating Formula B	
EPA TSCA Regulatory Flag	All components are included or exempt from listing on the TSCA Inventory of Chemical Substances.
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
SARA Section 313	No component exceeds the de minimus required for listing.

15.2. International regulations

CANADA

All components of this product are listed on the Canada Domestic Substances List (DSL).

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.3. US State regulations

California PROP 65

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
No	No	No	No	NA

USA State RTK MA, NJ, PA, RI, IL

The following components are listed in State RTK requirements:

Item	CAS #	Amount	State Listed
Triethylamine	121-44-8	0.254	MA ; NJ ; PA ; RI ; IL

SECTION 16: Other information

- Revision date : 8/10/2019
- Data sources : Supplier SDS.
- Training advice : Educate and train employees in the safe use and handling of this product. Follow all label instructions.
- Other information : The information contained in this Material Safety Data Sheet is based on our data available on the date of publication. The information is intended to aid the user in controlling the handling risks; it is not to be construed as a warranty or specification of the product quality. The information may not be or may not altogether be applicable to combinations of the product with other substances or to particular applications. We assigned HMIS ratings to this product based on the hazard(s) of its ingredients.

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HMIS III Rating

Health : 1* Slight hazard, chronic effect
Flammability : 1 Slight Hazard
Physical : 0 Minimal Hazard
Personal Protection : X

SDS US (GHS HazCom 2012)

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