

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

1.1. Product identifier

Product form : Mixture
 Trade name : Primer 5-017
 Product code : 5-017

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

Not Classified

2.2. Label elements

GHS-US labelling

Signal Word: No Signal Word Required
 Hazard Statements: No known significant effects or critical hazards

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)

Not Applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification *
Triethylamine (Constituent)	(CAS No) 121-44-8	<1%	Flam. Liq. Category 2 Skin Corr. Category 1A Acute Tox. Category 4 (Oral), Acute Tox. Category 3 (Dermal) Acute Tox. Category 3 (Inhalation) Eye Dam. Category 1

This product contains an amine neutralizing agent which is bound in the matrix of this product as a salt. 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.

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.

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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 or prolonged skin contact may cause irritation.

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.

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.

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- 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

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No ACGIH, TLV or OSHA PEL is assigned to this mixture.			
Triethylamine (CAS# 121-44-8)			
USA ACGIH	ACGIH TLV (ppm)	TWA 1 ppm	STEL 3 ppm
USA OSHA	OSHA PEL	PEL 25ppm	100 mg/m3

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 : Nitrile 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Blue Milky White.
- Colour : Milky
- Odour : Mild amine
- Odour threshold : No data available
- pH : 7.9 - 8.5
- Relative evaporation rate (butylacetate=1) : Not Available
- Melting point : No data available
- Freezing point : 0 C (Water)
- Boiling point : 100 °C (Water)
- Flash point : Closed Cup: > 100 °C

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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	: ~1.06 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)
Acute Toxicity Estimates- Oral	: 36329.2 mg/kg
Acute Toxicity Estimates- Dermal	: 45016.6 mg/kg
Acute Toxicity Estimates- Inhalation (gases)	: 355394.1 ppm
Acute Toxicity Estimates- Inhalation (vapors)	: 560.7 mg/l
Acute Toxicity Estimates- Inhalation (dusts and mist)	: 118.5 mg/l
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)

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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.

Triethylamine (121-44-8)	
LD50 oral rat	730 mg/kg
LD50 dermal rabbit	580 mg/kg
LC50 inhalation rat	7.22 mg/l 4h exposure
Skin corrosion/irritation	Rabbit- Corrosive (BASF Test)
Serious eye damage/irritation	Study scientifically not justified. As the product irritates the skin it can be expected to have a similar effect on the eyes also.
Respiratory or skin sensitisation	Guinea pig- Not Sensitizing
Germ cell mutagenicity	Ames test- In vitro:negative In vivo: negative
Carcinogenicity	Not listed as a carcinogen by ACGIH,IARC, NTP or CA Prop 65
Reproductive toxicity	No indication of a fertility impairing effect
Teratogenicity	No indications of developmental toxic / teratogenic effect
Aspiration hazard	No aspiration hazard expected
Other information: Chronic Exposure:	Repeated inhalative uptake did not cause any substance related effects

SECTION 12: Ecological information

12.1. Toxicity

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No Data Available for Environmental Toxicity

Triethylamine (121-44-8)

LC50 fishes 1	36 mg/l , Oncorhynchus mykiss - 96 h
LC50 Aquatic Invertebrates	17 mg/l 48 h, Ceriodaphnia dubia (semistatic)
EC50 Bacteria	95 mg/l - 17 h (Product is highly volatile. Tested in a closed test system. Details of toxic effect relate to nominal concentration. After neutralization, it is no longer toxic).

12.2. Persistence and degradability

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Persistence and degradability Not available.

Triethylamine (121-44-8)

Persistence and degradability Readily biodegradable (OECD Criteria).

12.3. Bioaccumulative potential

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Log Pow Not Available

Triethylamine (121-44-8)

Bioaccumulation Factor 0.5 (42d), cyprinus carpio (OECD 305C)

12.4. Mobility in soil

No additional information available

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.

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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.

ADR

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

Transport by sea

Class (IMDG) : Not subject- Not Regulated

Air transport

Class (IATA) : Not subject- Not Regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

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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	As supplied this mixture does not contain any chemicals above the de minimis subject to reporting under Section 313.
SARA Section 313 Form R- Reporting Requirements	Triethylamine CAS# 121-44-7 1.2662%

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

SECTION 16: Other information

Revision date : 01/02/2017
Data sources : Previous SDS. Supplier SDS.
Training advice : Educate and train employees in the safe use and handling of this product. Follow all label instructions.

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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.

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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