

YBA470_A9

Safety Data Sheet
MICRON 66 BLUE



Bulk Sales Reference No.:
SDS Revision Date:
SDS Revision Number:

Sales
Order: {SalesOrd}
YBA470
04/06/2016
A9-5

1. Identification of the preparation and company

1.1. Product identifier

Product Identity MICRON 66 BLUE
Bulk Sales Reference No. YBA470

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

Intended Use See Technical Data Sheet.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Akzo Nobel Coatings
International Paint LLC
2270 Morris Avenue
P. O. Box 386

Emergency

CHEMTREC (USA) (800) 424-9300
International Paint (713) 527-3887
Poison Control Center (800) 854-681
Customer Service
International Paint (800) 589-1267
Fax No. (800) 631-7481

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Flam. Liq. 3;H226 Liquido e vapor inflamável
Acute Tox. 4;H302 Harmful if swallowed.
Acute Tox. 5;H313 May be harmful in contact with skin.
Skin Irrit. 2;H315 Causes skin irritation.
Eye Dam. 1;H318 Causes serious eye damage.
Aquatic Chronic 1;H410 Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.



Danger.

H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.

P235 Keep cool.

P240 Ground / bond container and receiving equipment.

P241 Use explosion-proof electrical / ventilating / light / equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe mist / vapors / spray.

P262 Do not get in eyes, on skin, or on clothing.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302+352 IF ON SKIN: Wash with soap and water.

P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P312 Call a POISON CENTER or doctor / physician if you feel unwell.

P330 Rinse mouth.

P331 Do NOT induce vomiting.

P362 Take off contaminated clothing and wash before reuse.

P370 In case of fire: Use water spray, fog, or regular foam..

P391 Collect spillage.

P403+233 Store in a well ventilated place. Keep container tightly closed.

P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating

Health: 2*

Flammability: 3

Reactivity: 0

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Copper oxide (Cu ₂ O) CAS Number: 0001317-39-1	25 - 50	Acute Tox. 4;H302 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1]
Xylenes (o-, m-, p- isomers) CAS Number: 0001330-20-7	10 - 25	Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335 Asp. Tox. 1;H304	[1][2]
Butanol CAS Number: 0000071-36-3	1.0 - 10	Flam. Liq. 3;H226 Acute Tox. 4;H302 STOT SE 3;H335 Skin Irrit. 2;H315 Eye Dam. 1;H318 STOT SE 3;H336	[1][2]
Methylisobutyl ketone CAS Number: 0000108-10-1	1.0 - 10	Flam. Liq. 2;H225 Acute Tox. 4;H332 Eye Irrit. 2;H319 STOT SE 3;H335	[1][2]
Zinc pyrithione CAS Number: 0013463-41-7	1.0 - 10	Acute Tox. 4;H302 Acute Tox. 1;H330 Skin Irrit. 2;H315	[1]

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		Eye Dam. 1;H318 Aquatic Acute 1;H400	
Naphtha (petroleum), heavy aromatic CAS Number: 0064742-94-5	1.0 - 10	Asp. Tox. 1;H304	[1]
Acrylic polymer chelates of copper CAS Number: TS-RC0810	1.0 - 10	----	[1]
Zinc oxide CAS Number: 0001314-13-2	1.0 - 10	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1][2]
Titanium dioxide CAS Number: 0013463-67-7	1.0 - 10	----	[1][2]
Copper oxide CAS Number: 0001317-38-0	1.0 - 10	----	[1]
Naphthalene CAS Number: 0000091-20-3	0.10 - 1.0	Carc. 2;H351 Acute Tox. 4;H302 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1][2]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

Overview	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
Inhalation	Harmful if inhaled. May cause lung injury. May cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath and dry cough. May cause asthma-like symptoms to occur. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.
Eyes	Causes severe eye irritation. Avoid contact with eyes.
Skin	Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.
Chronic effects	Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

5. Fire-fighting measures

5.1. Extinguishing media

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CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient. **SMALL FIRES:** Use dry chemical, CO₂, water spray or alcohol-resistant foam. **LARGE FIRES:** Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

5.2. Special hazards arising from the substance or mixture

FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.

6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. **LARGE SPILLS:** Consider initial downwind evacuation for at least 300 meters (1000 feet).

7. Handling and storage

7.1. Precautions for safe handling

Handling

Vapors may cause flash fire or ignite explosively.

In Storage

Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities

Store between 40-100F (4-38C).

Do not get in eyes, on skin or clothing.

Strong oxidizing agents.

Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)

Close container after each use.

Wash thoroughly after handling.

Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000071-36-3	Butanol	OSHA	100 ppm TWA; 300 mg/m ³ TWA50 ppm Ceiling; 150 mg/m ³ Ceiling

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		ACGIH	20 ppm TWA
		NIOSH	50 ppm Ceiling; 150 mg/m3 Ceiling 1400 ppm IDLH (10% LEL)
		Supplier	
		OHSA, CAN	20 ppm TWA
		Mexico	
		Brazil	40 ppm TWA LT; 115 mg/m3 TWA LT
0000091-20-3	Naphthalene	OSHA	10 ppm TWA; 50 mg/m3 TWA 15 ppm STEL; 75 mg/m3 STEL
		ACGIH	10 ppm TWA 15 ppm STEL
		NIOSH	10 ppm TWA; 50 mg/m3 TWA 15 ppm STEL; 75 mg/m3 STEL 250 ppm IDLH
		Supplier	
		OHSA, CAN	10 ppm TWA 15 ppm STEL
		Mexico	10 ppm TWA LMPE-PPT; 50 mg/m3 TWA LMPE-PPT 15 ppm STEL [LMPE-CT]; 75 mg/m3 STEL [LMPE-CT]
		Brazil	
0000108-10-1	Methylisobutyl ketone	OSHA	100 ppm TWA; 410 mg/m3 TWA 75 ppm STEL; 300 mg/m3 STEL
		ACGIH	20 ppm TWA 75 ppm STEL
		NIOSH	50 ppm TWA; 205 mg/m3 TWA 75 ppm STEL; 300 mg/m3 STEL 500 ppm IDLH
		Supplier	
		OHSA, CAN	20 ppm TWA 75 ppm STEL
		Mexico	50 ppm TWA LMPE-PPT; 205 mg/m3 TWA LMPE-PPT 75 ppm STEL [LMPE-CT]; 307 mg/m3 STEL [LMPE-CT]
		Brazil	
0001314-13-2	Zinc oxide	OSHA	5 mg/m3 TWA (fume); 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) 10 mg/m3 STEL (fume)
		ACGIH	2 mg/m3 TWA (respirable fraction) 10 mg/m3 STEL (respirable fraction)
		NIOSH	5 mg/m3 TWA (dust and fume) 10 mg/m3 STEL (fume) 15 mg/m3 Ceiling (dust) 500 mg/m3 IDLH
		Supplier	
		OHSA, CAN	2 mg/m3 TWA (respirable) 10 mg/m3 STEL (respirable)
		Mexico	5 mg/m3 TWA LMPE-PPT (fume); 10 mg/m3 TWA LMPE-PPT (dust) 10 mg/m3 STEL [LMPE-CT] (fume)
		Brazil	
0001317-38-0	Copper oxide	OSHA	
		ACGIH	
		NIOSH	0.1 mg/m3 TWA (fume, as Cu)
		Supplier	
		OHSA, CAN	
		Mexico	
		Brazil	
0001317-39-1	Copper oxide (Cu2O)	OSHA	
		ACGIH	
		NIOSH	
		Supplier	
		OHSA, CAN	
		Mexico	

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0001330-20-7	Xylenes (o-, m-, p- isomers)	Brazil	
		OSHA	100 ppm TWA; 435 mg/m3 TWA150 ppm STEL; 655 mg/m3 STEL
		ACGIH	100 ppm TWA150 ppm STEL
		NIOSH	
		Supplier	
		OHSA, CAN	100 ppm TWA150 ppm STEL
		Mexico	100 ppm TWA LMPE-PPT; 435 mg/m3 TWA LMPE-PPT150 ppm STEL [LMPE-CT]; 655 mg/m3 STEL [LMPE-CT]
0013463-41-7	Zinc pyrithione	Brazil	78 ppm TWA LT; 340 mg/m3 TWA LT
		OSHA	
		ACGIH	
		NIOSH	
		Supplier	
		OHSA, CAN	
		Mexico	
0013463-67-7	Titanium dioxide	Brazil	
		OSHA	15 mg/m3 TWA (total dust)
		ACGIH	10 mg/m3 TWA
		NIOSH	5000 mg/m3 IDLH
		Supplier	
		OHSA, CAN	10 mg/m3 TWA
		Mexico	10 mg/m3 TWA LMPE-PPT (as Ti)20 mg/m3 STEL [LMPE-CT] (as Ti)
0064742-94-5	Naphtha (petroleum), heavy aromatic	Brazil	
		OSHA	
		ACGIH	
		NIOSH	
		Supplier	
		OHSA, CAN	
		Mexico	
TS-RC0810	Acrylic polymer chelates of copper	Brazil	
		OSHA	
		ACGIH	
		NIOSH	
		Supplier	
		OHSA, CAN	
		Mexico	

Health Data

CAS No.	Ingredient	Source	Value
0000071-36-3	Butanol	NIOSH	Eye and mucous membrane irritation CNS depression
0000091-20-3	Naphthalene	NIOSH	Hemolysis and eye irritation that causes cataracts
0000108-10-1	Methylisobutyl ketone	NIOSH	Irritation liver
0001314-13-2	Zinc oxide	NIOSH	Metal fume fever
0001317-38-0	Copper oxide	NIOSH	
0001317-39-1	Copper oxide (Cu2O)	NIOSH	
0001330-20-7	Xylenes (o-, m-, p- isomers)	NIOSH	Central nervous system depressant; respiratory and eye irritation
0013463-41-7	Zinc pyrithione	NIOSH	

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0013463-67-7	Titanium dioxide	NIOSH	Lung tumors in animals
0064742-94-5	Naphtha (petroleum), heavy aromatic	NIOSH	
TS-RC0810	Acrylic polymer chelates of copper	NIOSH	

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000071-36-3	Butanol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000091-20-3	Naphthalene	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: Yes
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0000108-10-1	Methylisobutyl ketone	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0001314-13-2	Zinc oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001317-38-0	Copper oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001317-39-1	Copper oxide (Cu ₂ O)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001330-20-7	Xylenes (o-, m-, p-isomers)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0013463-41-7	Zinc pyrithione	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0013463-67-7	Titanium dioxide	OSHA	Select Carcinogen: Yes
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0064742-94-5	Naphtha (petroleum), heavy aromatic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
TS-RC0810	Acrylic polymer chelates of copper	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other

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manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.

Eyes	Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls	Depending on the site-specific conditions of use, provide adequate ventilation.
Other Work Practices	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

9. Physical and chemical properties

Appearance	Coloured Liquid
Odour threshold	Not Measured
pH	No Established Limit
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	64 (°C) 148 (°F)
Flash Point	24 (°C) 75 (°F)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: .5 Upper Explosive Limit: No Established Limit
vapor pressure (Pa)	Not Measured
Vapor Density	Heavier than air
Specific Gravity	1.62
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	No Established Limit Not Measured
VOC %	Refer to the Technical Data Sheet or label where information is available.
VOHAP content (gm/litre of paint)	738.67 (as supplied)
VOHAP content (gm/litre of Solid Coating)	352.82 (as supplied)

10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

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FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.

11. Toxicological information

Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr
Copper oxide (Cu2O) - (1317-39-1)	470.00, Rat - Category: 4	2,000.00, Rabbit - Category: 4	No data available	50.00, Rat - Category: NA
Xylenes (o-, m-, p- isomers) - (1330-20-7)	4,299.00, Rat - Category: 5	1,548.00, Rabbit - Category: 4	20.00, Rat - Category: 4	No data available
Butanol - (71-36-3)	2,292.00, Rat - Category: 5	3,430.00, Rabbit - Category: 5	No data available	No data available
Methylisobutyl ketone - (108-10-1)	2,080.00, Rat - Category: 5	16,000.00, Rabbit - Category: NA	12.30, Rat - Category: 4	No data available
Zinc pyrithione - (13463-41-7)	774.00, Rat - Category: 4	2,000.00, Rat - Category: 4	No data available	1.03, Rat - Category: 4
Naphtha (petroleum), heavy aromatic - (64742-94-5)	5,000.00, Rat - Category: 5	2,000.00, Rabbit - Category: 4	No data available	No data available
Acrylic polymer chelates of copper - (TS-RC0810)	No data available	No data available	No data available	No data available
Zinc oxide - (1314-13-2)	5,000.00, Rat - Category: 5	No data available	No data available	2.50, Mouse - Category: 4
Titanium dioxide - (13463-67-7)	10,000.00, Rat - Category: NA	10,000.00, Rabbit - Category: NA	No data available	6.82, Rat - Category: NA
Copper oxide - (1317-38-0)	470.00, Rat - Category: 4	No data available	No data available	No data available
Naphthalene - (91-20-3)	490.00, Rat - Category: 4	20,000.00, Rabbit - Category: NA	No data available	No data available

Item	Category	Hazard
Acute Toxicity (mouth)	4	Harmful if swallowed.
Acute Toxicity (skin)	5	May be harmful in contact with skin.
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Eye damage/irritation	1	Causes serious eye damage.
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	Not Classified	Not Applicable
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Copper oxide (Cu ₂ O) - (1317-39-1)	0.075, Danio rerio	0.042, Daphnia similis	0.03 (96 hr), Pseudokirchneriella subcapitata
Xylenes (o-, m-, p-isomers) - (1330-20-7)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Butanol - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	500.00 (96 hr), Scenedesmus subspicatus
Methylisobutyl ketone - (108-10-1)	505.00, Pimephales promelas	1,550.00, Daphnia magna	980.00 (48 hr), Scenedesmus subspicatus
Zinc pyriithione - (13463-41-7)	0.0026, Pimephales promelas	0.0082, Daphnia magna	0.028 (96 hr), Selenastrum capricornutum
Naphtha (petroleum), heavy aromatic - (64742-94-5)	45.00, Pimephales promelas	12.00, Daphnia magna	2.50 (72 hr), Skeletonema costatum
Acrylic polymer chelates of copper - (TS-RC0810)	Not Available	Not Available	0.00 (hr),
Zinc oxide - (1314-13-2)	1.10, Oncorhynchus mykiss	0.098, Daphnia magna	0.042 (72 hr), Pseudokirchneriella subcapitata
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
Copper oxide - (1317-38-0)	25.40, Oncorhynchus mykiss	0.011, Daphnia magna	0.014 (72 hr), Pseudokirchneriella subcapitata
Naphthalene - (91-20-3)	0.99, Oncorhynchus gorbuscha	1.60, Daphnia magna	68.21 (96 hr), Scenedesmus subspicatus

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Do not allow spills to enter drains or watercourses.

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

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14.1. UN number UN 1263
 14.2. UN proper shipping name PAINT
 14.3. Transport hazard class(es)

DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name	PAINT	IMDG Proper Shipping Name	PAINT
DOT Hazard Class	3 - Flammable and Combustible liquid	IMDG Hazard Class Sub Class	3 - Flammable and Combustible liquid 3 - Flammable and Combustible liquid
UN / NA Number	UN 1263	IMDG Packing Group	II
DOT Packing Group	II	System Reference Code	28
CERCLA/DOT RQ	46 gal. / 619 lbs.		

14.4. Packing group II

14.5. Environmental hazards

IMDG Marine Pollutant: No (Copper oxide (Cu₂O))

14.6. Special precautions for user

Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification B2 D2B E

DOT Marine Pollutants (10%):
(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):
(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%) :

Copper (5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diame)
 Benzene, ethyl- (1000 lb final RQ; 454 kg final RQ)
 Methylisobutyl ketone (5000 lb final RQ; 2270 kg final RQ)
 Butanol (5000 lb final RQ; 2270 kg final RQ)
 Naphthalene (100 lb final RQ; 45.4 kg final RQ)
 Benzene, 1,2-dimethyl- (1000 lb final RQ; 454 kg final RQ)
 Benzene, 1,3-dimethyl- (1000 lb final RQ; 454 kg final RQ)
 Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>.1%) :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :

Copper
 Benzene, ethyl-
 Methylisobutyl ketone
 Butanol
 Naphthalene
 Benzene, 1,2-dimethyl-
 Benzene, 1,3-dimethyl-
 Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :

Chlorinated hydrocarbons (chlorinated paraffins)

Methylisobutyl ketone
Butanol
Titanium dioxide
Xylenes (o-, m-, p- isomers)
Zinc oxide

Penn RTK Substances (>1%) :

Methylisobutyl ketone
Butanol
Titanium dioxide
Xylenes (o-, m-, p- isomers)
Zinc oxide

Penn Special Hazardous Substances (>.01%) :
(No Product Ingredients Listed)

RCRA Status:
(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :

Methylisobutyl ketone
Butanol
Titanium dioxide
Xylenes (o-, m-, p- isomers)
Zinc oxide

N.J. Special Hazardous Substances (>.01%) :

Ethyl alcohol
Benzene, ethyl-
Methanol
Methylisobutyl ketone
Butanol
Naphthalene
Benzene, 1,2-dimethyl-
2,4-Pentanedione
Benzene, 1,3-dimethyl-
Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances (>.1%) :

Copper
Benzene, ethyl-
Methylisobutyl ketone
Butanol
Naphthalene
Benzene, 1,2-dimethyl-
Benzene, 1,3-dimethyl-
Xylenes (o-, m-, p- isomers)

Proposition 65 - Carcinogens (>0%):

Ethyl alcohol
Benzene, ethyl-
Methylisobutyl ketone
Naphthalene
Titanium dioxide

Proposition 65 - Female Repro Toxins (>0%):
(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0%):
(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0%):

Ethyl alcohol
Methanol

16. Other information

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

The following sections have changed since the previous revision.

SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
SECTION 4: First aid measures
SECTION 9: Physical and chemical properties
SECTION 12: Ecological information
SECTION 14: Transport information

End of Document