

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Dykem® Brite-Mark® - All Colors</b>
<b>Other means of identification</b>	
<b>Part Number</b>	Black (40003, 41003, 84002, 84202), Blue (40001, 41001, 84001, 84201), Brown (40007, 84010), Gold (84051), Green (40004, 41004, 84007, 84207), Light Blue (84008), Orange (40010, 41010, 84005, 84205), Pink (84009), Red (40002, 41002, 84006, 84206), Silver (40016, 84050), Violet (84019), White (40008, 41008, 84003, 84203), Yellow (40006, 41006, 84004, 84204)
<b>Synonyms</b>	FORMULA CODE(S): * A720M (Black), A788M (Blue) * A786M (Brown), A946M (Gold) * A789M (Green), A783M (Light Blue) * A790M (Orange), A787M (Pink) * A791M (Red), A945M (Silver) * A785M (Violet), A718M (White) * A719M (Yellow)
<b>Recommended use</b>	Solvent based marker
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Company name</b>	ITW Pro Brands
<b>Address</b>	805 E. Old 56 Highway Olathe, KS 66061
<b>Country</b>	(U.S.A.) Tel: +1 800-443-9536
<b>In Case of Emergency</b>	1-800-535-5053 (Infotrac)
<b>Supplier</b>	ITW Permatex Canada 1-35 Brownridge Road Halton Hills, ON, L7G 0C6 Canada 1-800-241-8334

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 3
<b>Health hazards</b>	Specific target organ toxicity, single exposure	Category 3 narcotic effects
<b>Environmental hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Warning
<b>Hazard statement</b>	Flammable liquid and vapor. May cause drowsiness or dizziness.
<b>Precautionary statement</b>	
<b>Prevention</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area.
<b>Response</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use appropriate media to extinguish.
<b>Storage</b>	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other hazards</b>	None known.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Butyl Acetate		123-86-4	50 - 60
Titanium Dioxide		13463-67-7	30 - 40
Propylene glycol monomethyl ether acetate		108-65-6	1 - 30
Aluminum flake		7429-90-5	10 - 20
Copper, Copper Compounds		7440-50-8	10 - 20
C.I. Pigment Violet 1		1326-03-0	5 - 10
Carbon Black		1333-86-4	5 - 10
Isopropanol		67-63-0	5 - 10
Aluminum Hydroxide		21645-51-2	1 - 5
Metallic Zinc		7440-66-6	1 - 5
Silica, amorphous		7631-86-9	1 - 5
1,2,4-Trimethylbenzene		95-63-6	0.1 - 1
Aromatic Solvent		64742-95-6	0.1 - 1

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Alcohol resistant foam. Dry chemical powder. Dry sand. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Water. Do not use water jet as an extinguisher, as this will spread the fire. Carbon dioxide (CO <sub>2</sub> ).
<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Flammable liquid and vapor.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapor. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Aluminum flake (CAS 7429-90-5)	TWA	1 mg/m <sup>3</sup>	Respirable fraction.
Butyl Acetate (CAS 123-86-4)	STEL	150 ppm	
	TWA	50 ppm	
Carbon Black (CAS 1333-86-4)	TWA	3 mg/m <sup>3</sup>	Inhalable fraction.
Copper, Copper Compounds (CAS 7440-50-8)	TWA	1 mg/m <sup>3</sup>	Dust and mist.
		0.2 mg/m <sup>3</sup>	Fume.
Isopropanol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>	

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Aluminum flake (CAS 7429-90-5)	TWA	5 mg/m <sup>3</sup>	Pyrophoric powder.
		10 mg/m <sup>3</sup>	Dust.
Butyl Acetate (CAS 123-86-4)	STEL	950 mg/m <sup>3</sup>	
		200 ppm	

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Carbon Black (CAS 1333-86-4)	TWA	713 mg/m3	Dust and mist.
		150 ppm	
		3.5 mg/m3	
Copper, Copper Compounds (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
Isopropanol (CAS 67-63-0)		0.2 mg/m3	Fume.
	STEL	984 mg/m3	
		400 ppm	
	TWA	492 mg/m3	
Titanium Dioxide (CAS 13463-67-7)		200 ppm	
	TWA	10 mg/m3	

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Aluminum flake (CAS 7429-90-5)	TWA	1 mg/m3	Respirable.
Butyl Acetate (CAS 123-86-4)	TWA	20 ppm	
Carbon Black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable
Copper, Copper Compounds (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
Isopropanol (CAS 67-63-0)		0.2 mg/m3	Fume.
	STEL	400 ppm	
	TWA	200 ppm	
	STEL	75 ppm	
Propylene glycol monomethyl ether acetate (CAS 108-65-6)		50 ppm	
	TWA	3 mg/m3	
	TWA	10 mg/m3	
Titanium Dioxide (CAS 13463-67-7)			Respirable fraction.
			Total dust.

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Aluminum flake (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.
Butyl Acetate (CAS 123-86-4)	STEL	150 ppm	
Carbon Black (CAS 1333-86-4)	TWA	50 ppm	Inhalable fraction.
	TWA	3 mg/m3	
Copper, Copper Compounds (CAS 7440-50-8)	TWA	1 mg/m3	Dust and mist.
Isopropanol (CAS 67-63-0)		0.2 mg/m3	Fume.
	STEL	400 ppm	
	TWA	200 ppm	
	TWA	10 mg/m3	
Titanium Dioxide (CAS 13463-67-7)			

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

<b>Components</b>	<b>Type</b>	<b>Value</b>	<b>Form</b>
Aluminum flake (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.
Butyl Acetate (CAS 123-86-4)	STEL	200 ppm	
	TWA	150 ppm	

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value	Form
Carbon Black (CAS 1333-86-4)	TWA	3 mg/m <sup>3</sup>	Inhalable fraction.
Copper, Copper Compounds (CAS 7440-50-8)	TWA	1 mg/m <sup>3</sup>	Dust and fume.
Isopropanol (CAS 67-63-0)		0.2 mg/m <sup>3</sup>	Fume.
	STEL	400 ppm	
	TWA	200 ppm	
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	TWA	270 mg/m <sup>3</sup>	
		50 ppm	
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m <sup>3</sup>	

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

Components	Type	Value	Form
Aluminum flake (CAS 7429-90-5)	TWA	5 mg/m <sup>3</sup>	Welding fume.
Butyl Acetate (CAS 123-86-4)		10 mg/m <sup>3</sup>	
	STEL	950 mg/m <sup>3</sup>	
	TWA	200 ppm	
Carbon Black (CAS 1333-86-4)	TWA	713 mg/m <sup>3</sup>	
		150 ppm	
Copper, Copper Compounds (CAS 7440-50-8)	TWA	3.5 mg/m <sup>3</sup>	Dust and mist.
Isopropanol (CAS 67-63-0)		1 mg/m <sup>3</sup>	Fume.
	STEL	0.2 mg/m <sup>3</sup>	
	TWA	1230 mg/m <sup>3</sup>	
Titanium Dioxide (CAS 13463-67-7)		500 ppm	Total dust.
	TWA	983 mg/m <sup>3</sup>	
		400 ppm	
	TWA	10 mg/m <sup>3</sup>	

**Biological limit values**
**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Isopropanol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls**

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**
**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection**
**Hand protection**

Wear appropriate chemical resistant gloves.

**Other**

Wear suitable protective clothing. Use of an impervious apron is recommended.

**Respiratory protection**

Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Appearance**

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Various.
<b>Odor</b>	Sweet.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	251.96 °F (122.2 °C)
<b>Flash point</b>	81.0 °F (27.2 °C) Tag Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.

**Upper/lower flammability or explosive limits**

<b>Flammability limit - lower (%)</b>	1.7 %
<b>Flammability limit - upper (%)</b>	7.6 %
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not available.

**Other information**

**Explosive properties** Not explosive.

**Oxidizing properties** Not oxidizing.

**VOC**  
A719M Yellow: 68.20%, 716 g/L  
A788M Blue: 68.83%, 694 g/L; A946M Gold: 59.75% , 689 g/L  
A789M Green: 69.77%, 725 g/L; A787M Pink: 48.62% , 637 g/L  
A783M Light Blue: 50.34%, 588 g/L; A790M Orange: 65.48% , 647 g/L  
A791M Red: 66.17%, 671 g/L; A785M Violet: 76.57% , 771 g/L  
A945M Silver: 71.68%, 714 g/L; A718M White: 47.85% , 627 g/L  
A720M Black: 66.61%, 672 g/L; A786M Brown: 67.78% , 712 g/L

**10. Stability and reactivity**

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** Hazardous polymerization does not occur.

**Conditions to avoid** Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials** Acids. Strong oxidizing agents. Chlorine. Isocyanates. Nitrates.

**Hazardous decomposition products** Carbon oxides.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Direct contact with eyes may cause temporary irritation.

**Ingestion** Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** May cause drowsiness and dizziness. Headache. Nausea, vomiting.

### Information on toxicological effects

**Acute toxicity** Not known.

Components	Species	Test Results
1,2,4-Trimethylbenzene (CAS 95-63-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 3160 mg/kg
<b>Oral</b>		
LD50	Rat	3280 mg/kg
Aluminum flake (CAS 7429-90-5)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
Aluminum Hydroxide (CAS 21645-51-2)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
Aromatic Solvent (CAS 64742-95-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 1900 mg/kg, 24 Hours
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Rat	> 4.96 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	4820 mg/kg
Copper, Copper Compounds (CAS 7440-50-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg, 24 Hours
Isopropanol (CAS 67-63-0)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	4.7 g/kg
Metallic Zinc (CAS 7440-66-6)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	630 mg/kg

Components	Species	Test Results
Propylene glycol monomethyl ether acetate (CAS 108-65-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg, 24 Hours
Silica, amorphous (CAS 7631-86-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
<b>Oral</b>		
LD50	Rat	> 3300 mg/kg
Titanium Dioxide (CAS 13463-67-7)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Rat	> 2.28 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Respiratory or skin sensitization</b>		
<b>Canada - Alberta OELs: Irritant</b>		
Aluminum flake (CAS 7429-90-5)	Irritant	
Butyl Acetate (CAS 123-86-4)	Irritant	
Titanium Dioxide (CAS 13463-67-7)	Irritant	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
<b>ACGIH Carcinogens</b>		
Aluminum flake (CAS 7429-90-5)	A4 Not classifiable as a human carcinogen.	
Carbon Black (CAS 1333-86-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
Isopropanol (CAS 67-63-0)	A4 Not classifiable as a human carcinogen.	
Titanium Dioxide (CAS 13463-67-7)	A4 Not classifiable as a human carcinogen.	
<b>Canada - Manitoba OELs: carcinogenicity</b>		
Aluminum flake (CAS 7429-90-5)	Not classifiable as a human carcinogen.	
Carbon Black (CAS 1333-86-4)	Confirmed animal carcinogen with unknown relevance to humans.	
Isopropanol (CAS 67-63-0)	Not classifiable as a human carcinogen.	
Titanium Dioxide (CAS 13463-67-7)	Not classifiable as a human carcinogen.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Carbon Black (CAS 1333-86-4)	2B Possibly carcinogenic to humans.	
Silica, amorphous (CAS 7631-86-9)	3 Not classifiable as to carcinogenicity to humans.	
Titanium Dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.	
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness and dizziness.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	
<b>Further information</b>	Symptoms may be delayed.	



## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
1,2,4-Trimethylbenzene (CAS 95-63-6)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 7.19 - 8.28 mg/l, 96 hours
Aluminum flake (CAS 7429-90-5)		
<b>Aquatic</b>		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 0.16 mg/l, 96 hours
Butyl Acetate (CAS 123-86-4)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 17 - 19 mg/l, 96 hours
Copper, Copper Compounds (CAS 7440-50-8)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> ) 0.036 mg/l, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 0.0319 - 0.0544 mg/l, 96 hours
Isopropanol (CAS 67-63-0)		
<b>Aquatic</b>		
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> ) > 1400 mg/l, 96 hours
Metallic Zinc (CAS 7440-66-6)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> ) 2.8 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) 0.56 mg/l, 96 hours
Titanium Dioxide (CAS 13463-67-7)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> ) > 1000 mg/l, 48 hours
Fish	LC50	Mummichog ( <i>Fundulus heteroclitus</i> ) > 1000 mg/l, 96 hours

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

### Bioaccumulative potential

#### Partition coefficient n-octanol / water (log Kow)

Butyl Acetate	1.78
Isopropanol	0.05

**Mobility in soil** No data available.

**Other adverse effects** None known.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### TDG

**UN number** UN1263

**UN proper shipping name** PAINT, MARINE POLLUTANT (Copper, Copper Compounds)  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards** Yes  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
Copper, Copper Compounds

**IATA**

**UN number** UN1263  
**UN proper shipping name** Paint  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards** Yes  
**ERG Code** 3L  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Other information**  
**Passenger and cargo aircraft** Allowed with restrictions.  
**Cargo aircraft only** Allowed with restrictions.

**IMDG**

**UN number** UN1263  
**UN proper shipping name** PAINT, MARINE POLLUTANT (Copper, Copper Compounds)  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** F-E, S-E  
**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
Copper, Copper Compounds

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**IATA; IMDG; TDG**



**Marine pollutant**



**General information** IMDG Regulated Marine Pollutant.

## 15. Regulatory information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

### Controlled Drugs and Substances Act

Not regulated.

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

Aluminum flake (CAS 7429-90-5)

Copper, Copper Compounds (CAS 7440-50-8)

Metallic Zinc (CAS 7440-66-6)

### Precursor Control Regulations

Not regulated.

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Montreal Protocol

Not applicable.

#### Basel Convention

Not applicable.

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Toxic Chemical Substances (TCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**Issue date** 03-27-2018  
**Revision date** 04-10-2018  
**Version #** 03

**Disclaimer**

ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Revision information**

Composition / Information on Ingredients: Ingredients