

SAFETY DATA SHEET

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NGHS / English



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1. IDENTIFICATION

Product identifier

Product Name OPI Nail Lacquer

Other means of identification

Product Code(s) 1295146

Recommended use of the chemical and restrictions on use

Recommended Use Nail polish/lacquer

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Identification Diversified Brand Solutions

Address 35 sawgrass drive
Bellport
NY
11713
US

Telephone Phone:6318033213

E-mail Janicesexton1979@yahoo.com

Emergency telephone number

Company Emergency Phone Number 6318033231

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1A



Carcinogenicity	Category 1B
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1
Flammable liquids	Category 2

Appearance Clear**Physical state** Viscous liquid Liquid**Odor** Alcohol**GHS Label elements, including precautionary statements****Danger****Hazard statements**

Harmful if swallowed
 Causes skin irritation
 Causes serious eye damage
 May cause an allergic skin reaction
 May cause cancer
 Suspected of damaging fertility or the unborn child
 May cause drowsiness or dizziness
 Causes damage to organs through prolonged or repeated exposure
 Highly flammable liquid and vapor

**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/eye protection/face protection
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Contaminated work clothing must not be allowed out of the workplace
 Do not breathe dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof electrical/ ventilating/ lighting/ equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Keep cool

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 Specific treatment (see supplemental first aid instructions on this label)

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor

Skin

If skin irritation or rash occurs: Get medical advice/attention

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

Wash contaminated clothing before reuse

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

Rinse mouth

Fire

In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

May be harmful if swallowed. Very toxic to aquatic life with long lasting effects.

Unknown acute toxicity 36 % of the mixture consists of ingredient(s) of unknown toxicity

36 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

36 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

36 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

36 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

36 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Ethyl acetate	141-78-6	26	-	-
Butyl acetate	123-86-4	20	-	-
Propyl acetate	109-60-4	11	-	-
Triphenyl phosphite	115-86-6	5	-	-
Tosylamide/formaldehyde resin	25035-71-6	5	-	-
n-Butyl alcohol	71-36-3	5	-	-
Isopropyl alcohol	67-63-0	5	-	-
Heptane	142-82-5	5	-	-
Ethanol	64-17-5	5	-	-
Adipic acid/neopentyl glycol/trimellitic anhydride copolymer	28407-73-0	5	-	-
Acetyl tributyl citrate	77-90-7	5	-	-
Camphor	76-22-2	1	-	-
Titanium dioxide	13463-67-7	0.5	-	-
Talc	14807-96-6	0.5	-	-

Silver	7440-22-4	0.5	-	-
Ci 77400	7440-50-8	0.5	-	-
Ci 77266	1333-86-4	0.5	-	-
Ci 60725	81-48-1	0.5	-	-

4. FIRST AID MEASURES

Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. IF exposed or concerned: Get medical advice/attention.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

Symptoms	Burning sensation. Itching. Rashes. Hives. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	May cause sensitization in susceptible persons. Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol resistant foam.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by skin contact.
Hazardous Combustion Products	Carbon oxides.
Explosion Data	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	Yes.



Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other Information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



Control parameters**Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl acetate 141-78-6	TWA: 400 ppm	TWA: 400 ppm TWA: 1400 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1400 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 1400 mg/m ³
Butyl acetate 123-86-4	STEL: 150 ppm TWA: 50 ppm	TWA: 150 ppm TWA: 710 mg/m ³ (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m ³ (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m ³	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³
Propyl acetate 109-60-4	STEL: 150 ppm TWA: 100 ppm	TWA: 200 ppm TWA: 840 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 840 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 1050 mg/m ³	IDLH: 1700 ppm TWA: 200 ppm TWA: 840 mg/m ³ STEL: 250 ppm STEL: 1050 mg/m ³
Triphenyl phosphate 115-86-6	TWA: 3 mg/m ³	TWA: 3 mg/m ³ (vacated) TWA: 3 mg/m ³	IDLH: 1000 mg/m ³ TWA: 3 mg/m ³
n-Butyl alcohol 71-36-3	TWA: 20 ppm	TWA: 100 ppm TWA: 300 mg/m ³ (vacated) S* (vacated) Ceiling: 50 ppm (vacated) Ceiling: 150 mg/m ³	IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 mg/m ³
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m ³ TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m ³
Heptane 142-82-5	STEL: 500 ppm TWA: 400 ppm	TWA: 500 ppm TWA: 2000 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 1600 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 2000 mg/m ³	IDLH: 750 ppm Ceiling: 440 ppm 15 min Ceiling: 1800 mg/m ³ 15 min TWA: 85 ppm TWA: 350 mg/m ³
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m ³
Camphor 76-22-2	STEL: 3 ppm synthetic TWA: 2 ppm synthetic	TWA: 2 mg/m ³ (vacated) TWA: 2 mg/m ³	IDLH: 200 mg/m ³ TWA: 2 mg/m ³ synthetic
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³
Talc 14807-96-6	TWA: 2 mg/m ³	(vacated) TWA: 2 mg/m ³	IDLH: 1000 mg/m ³ containing no asbestos and <1% quartz TWA: 2 mg/m ³
Silver 7440-22-4	TWA: 0.1 mg/m ³ dust and fume	TWA: 0.01 mg/m ³ (vacated) TWA: 0.01 mg/m ³	IDLH: 10 mg/m ³ dust TWA: 0.01 mg/m ³ dust TWA: 0.9 µg/m ³ nanoparticles <100 nm
Ci 77400 7440-50-8	TWA: 0.2 mg/m ³ fume	TWA: 0.1 mg/m ³ fume TWA: 1 mg/m ³ dust and mist (vacated) TWA: 0.1 mg/m ³ Cu	IDLH: 100 mg/m ³ dust, fume and mist TWA: 1 mg/m ³ dust and mist

Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Ci 77266 1333-86-4	TWA: 3 mg/m ³ inhalable particulate matter		dust, fume, mist TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	TWA: 0.1 mg/m ³ fume IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
Ethyl acetate 141-78-6	TWA: 400 ppm TWA: 1440 mg/m ³	TWA: 150 ppm	TWA: 400 ppm	TWA: 400 ppm TWA: 1440 mg/m ³
Butyl acetate 123-86-4	TWA: 150 ppm TWA: 713 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³	TWA: 50 ppm STEL: 150 ppm	TWA: 50 ppm STEL: 150 ppm	TWA: 50 ppm STEL: 150 ppm
Propyl acetate 109-60-4	TWA: 200 ppm TWA: 835 mg/m ³ STEL: 250 ppm STEL: 1040 mg/m ³	TWA: 100 ppm STEL: 150 ppm	TWA: 200 ppm STEL: 250 ppm	TWA: 100 ppm STEL: 150 ppm
Triphenyl phosphate 115-86-6	TWA: 3 mg/m ³	TWA: 3 mg/m ³	TWA: 3 mg/m ³	TWA: 3 mg/m ³
n-Butyl alcohol 71-36-3	TWA: 20 ppm TWA: 60 mg/m ³	TWA: 15 ppm Ceiling: 30 ppm	TWA: 20 ppm	TWA: 20 ppm
Isopropyl alcohol 67-63-0	TWA: 200 ppm TWA: 492 mg/m ³ STEL: 400 ppm STEL: 984 mg/m ³	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm STEL: 400 ppm	TWA: 200 ppm STEL: 400 ppm
Heptane 142-82-5	TWA: 400 ppm TWA: 1640 mg/m ³ STEL: 500 ppm STEL: 2050 mg/m ³	TWA: 400 ppm STEL: 500 ppm	TWA: 400 ppm STEL: 500 ppm	TWA: 400 ppm STEL: 500 ppm
Ethanol 64-17-5	TWA: 1000 ppm TWA: 1880 mg/m ³	STEL: 1000 ppm	STEL: 1000 ppm	STEL: 1000 ppm
Camphor 76-22-2	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 3 ppm STEL: 19 mg/m ³	TWA: 2 ppm STEL: 3 ppm	TWA: 2 ppm STEL: 3 ppm	TWA: 2 ppm TWA: 12 mg/m ³ STEL: 3 ppm STEL: 19 mg/m ³
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³
Talc 14807-96-6	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³
Silver 7440-22-4	TWA: 0.1 mg/m ³	TWA: 0.01 mg/m ³ STEL: 0.03 mg/m ³	TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³
Ci 77400 7440-50-8	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ TWA: 0.2 mg/m ³	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³
Ci 77266 1333-86-4	TWA: 3.5 mg/m ³	TWA: 3 mg/m ³	TWA: 3 mg/m ³	TWA: 3 mg/m ³

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls**Engineering controls**

Showers
Eyewash stations
Ventilation systems.

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

Tight sealing safety goggles.



Hand protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Viscous liquid; Liquid
Appearance	Clear
Odor	Alcohol
Color	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	UNKNOWN	
Melting / freezing point	No data available	None known
Boiling point / boiling range	77 °C / 170.6 °F	
Flash Point	-4 C / 24.8 F	
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	0.960	
Water Solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/water	0	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other Information

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk Density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition Products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components). Severely irritating to eyes. May cause burns. May cause irreversible damage to eyes.
Skin contact	Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. Causes skin irritation. (based on components). Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion	Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
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Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	1,659.00 mg/kg
ATEmix (dermal)	14,651.30 mg/kg
ATEmix (inhalation-dust/mist)	8.26 mg/L
ATEmix (inhalation-vapor)	34.80 mg/L

Unknown acute toxicity	36 % of the mixture consists of ingredient(s) of unknown toxicity
	36 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
	36 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
	36 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
	36 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
	36 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Product Information			
Component Information			
Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl acetate	= 5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit)	= 4000 ppm (Rat) 4 h
Butyl acetate	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	>20 mg/L (Rat) 4 h
Propyl acetate	= 8700 mg/kg (Rat)	> 17756 mg/kg (Rabbit)	= 32 mg/L (Rat) 4 h
Triphenyl phosphate	= 3500 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	> 200000 mg/m ³ (Rat) 1 h
n-Butyl alcohol	= 700 mg/kg (Rat)	= 3402 mg/kg (Rabbit)	> 17.76 mg/L (Rat) 4 h
Isopropyl alcohol	4710 - 5840 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	> 10000 ppm (Rat) 6 h
Heptane	-	= 3000 mg/kg (Rabbit)	> 29.29 mg/L (Rat) 4 h
Ethanol	= 7060 mg/kg (Rat)	-	= 116.9 mg/L (Rat) 4 h = 133.8 mg/L (Rat) 4 h
Acetyl tributyl citrate	> 31500 mg/kg (Rat)	-	-
Camphor	-	> 2000 mg/kg (Rat)	-
Titanium dioxide	> 2000 mg/kg (Rat)	-	> 5.09 mg/L (Rat) 4 h
Silver	> 2000 mg/kg (Rat)	> 2000 mg/kg (rat)	> 5.16 mg/L (Rat) 4 h
Ci 77400	-	-	> 5.11 mg/L (Rat) 4 h
Ci 77266	> 10000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 4.6 mg/m ³ (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.
Respiratory or skin sensitization	May cause sensitization by skin contact.
Germ cell mutagenicity	No information available.
Carcinogenicity	Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 67-63-0	-	Group 3	-	X
Ethanol 64-17-5	A3	Group 1	Known	X
Titanium dioxide 13463-67-7	A3	Group 2B	-	X
Talc 14807-96-6	-	Group 3 Group 2B	-	X
Ci 77266 1333-86-4	A3	Group 2B	-	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity	Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.
STOT - single exposure	May cause drowsiness or dizziness.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	No information available.

12. ECOLOGICAL INFORMATION

Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to DOT

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethyl acetate	No data available	96h LC50: 220 - 250 mg/L (Pimephales promelas) 96h LC50: = 484 mg/L (Oncorhynchus mykiss) 96h LC50: 352 - 500 mg/L (Oncorhynchus mykiss)	EC50 = 1180 mg/L 5 min EC50 = 1500 mg/L 15 min EC50 = 5870 mg/L 15 min EC50 = 7400 mg/L 2 h	48h EC50: = 560 mg/L (Daphnia magna)
Butyl acetate	72h EC50: = 674.7 mg/L (Desmodesmus subspicatus)	96h LC50: = 100 mg/L (Lepomis macrochirus) 96h LC50: 17 - 19 mg/L (Pimephales promelas)	EC50 = 70.0 mg/L 5 min EC50 = 82.2 mg/L 15 min EC50 = 959 mg/L 18 h EC50 = 98.9 mg/L 30 min	No data available
Propyl acetate	No data available	96h LC50: 56 - 64 mg/L (Pimephales promelas)	No data available	No data available
Triphenyl phosphate	96h EC50: 0.6 - 4 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 0.28 - 0.5 mg/L (Oncorhynchus mykiss) 96h LC50: 0.81 - 0.94 mg/L (Pimephales promelas) 96h LC50: 0.53 - 0.8 mg/L (Pimephales promelas) 96h LC50: 0.47 - 1.04 mg/L (Lepomis macrochirus) 96h LC50: = 1.2 mg/L (Oryzias latipes)	No data available	48h EC50: 0.86 - 1.2 mg/L (Daphnia magna)
n-Butyl alcohol	96h EC50: > 500 mg/L (Desmodesmus subspicatus) 72h EC50: > 500 mg/L (Desmodesmus subspicatus)	96h LC50: 1730 - 1910 mg/L (Pimephales promelas) 96h LC50: = 1740 mg/L (Pimephales promelas) 96h LC50: 100000 - 500000 µg/L (Lepomis macrochirus)	EC50 = 2041.4 mg/L 5 min EC50 = 2186 mg/L 30 min EC50 = 3980 mg/L 24 h EC50 = 4400 mg/L 17 h	48h EC50: = 1983 mg/L (Daphnia magna) 48h EC50: 1897 - 2072 mg/L (Daphnia magna)

		96h LC50: = 1910000 µg/L (Pimephales promelas)		
Isopropyl alcohol	96h EC50: > 1000 mg/L (Desmodesmus subspicatus) 72h EC50: > 1000 mg/L (Desmodesmus subspicatus)	96h LC50: = 9640 mg/L (Pimephales promelas) 96h LC50: = 11130 mg/L (Pimephales promelas) 96h LC50: > 1400000 µg/L (Lepomis macrochirus)	No data available	48h EC50: = 13299 mg/L (Daphnia magna)
Heptane	No data available	96h LC50: = 375.0 mg/L (Cichlid fish)	No data available	No data available
Ethanol	No data available	96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus mykiss) 96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 13400 - 15100 mg/L (Pimephales promelas)	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	48h LC50: 9268 - 14221 mg/L (Daphnia magna) 48h EC50: = 2 mg/L (Daphnia magna)
Acetyl tributyl citrate	No data available	96h LC50: 38 - 60 mg/L (Lepomis macrochirus)	No data available	No data available
Talc	No data available	96h LC50: > 100 g/L (Brachydanio rerio)	No data available	No data available
Silver	No data available	96h LC50: 0.00155 - 0.00293 mg/L (Pimephales promelas) 96h LC50: = 0.0062 mg/L (Oncorhynchus mykiss) 96h LC50: = 0.064 mg/L (Lepomis macrochirus)	No data available	48h EC50: = 0.00024 mg/L (Daphnia magna)
Ci 77400	72h EC50: 0.0426 - 0.0535 mg/L (Pseudokirchneriella subcapitata) 96h EC50: 0.031 - 0.054 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 0.0068 - 0.0156 mg/L (Pimephales promelas) 96h LC50: < 0.3 mg/L (Pimephales promelas) 96h LC50: = 0.2 mg/L (Pimephales promelas) 96h LC50: = 0.052 mg/L (Oncorhynchus mykiss) 96h LC50: = 1.25 mg/L (Lepomis macrochirus) 96h LC50: = 0.3 mg/L (Cyprinus carpio) 96h LC50: = 0.8 mg/L (Cyprinus carpio) 96h LC50: = 0.112 mg/L (Poecilia reticulata)	No data available	48h EC50: = 0.03 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Ethyl acetate	0.73
Butyl acetate	2.3
Propyl acetate	1.4



Triphenyl phosphate	4.63
n-Butyl alcohol	1
Isopropyl alcohol	0.05
Heptane	4.66
Ethanol	-0.35
Acetyl tributyl citrate	4.92
Camphor	2.414
Ci 60725	4.26

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

US EPA Waste Number D001 D011 D007 D005

14. TRANSPORT INFORMATION

DOT

UN-No. UN1263
Proper Shipping Name PAINT
Hazard Class 3
Packing Group II
Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to DOT
Description UN1263, PAINT, 3, II, LTD QTY
Emergency Response Guide Number 128

TDG

UN-No. UN1263
Proper Shipping Name PAINT
Hazard Class 3
Packing Group II
Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to TDG.
Description UN1263, PAINT, 3, II, LTD QTY

MEX

UN-No. UN1263
Proper Shipping Name PAINT
Hazard Class 3
Packing Group II
Description UN1263, PAINT, 3, II

ICAO

UN-No.	ID8000
Proper Shipping Name	CONSUMER COMMODITY
Hazard Class	9
Description	ID8000, CONSUMER COMMODITY, 9

IATA

UN-No.	ID8000
Proper Shipping Name	CONSUMER COMMODITY
Hazard Class	9
ERG Code	9L
Description	ID8000, CONSUMER COMMODITY, 9

IMDG/IMO

UN-No.	UN1263
Proper Shipping Name	PAINT
Hazard Class	3
Packing Group	II
EmS-No.	F-E, S-E
Description	UN1263, PAINT, 3, II, (-4°C C.C.), LTD QTY

RID

UN-No.	UN1263
Proper Shipping Name	PAINT
Hazard Class	3
Packing Group	II
Classification code	F1
Description	UN1263, PAINT, 3, II
ADR/RID-Labels	3

ADR

UN-No.	UN1263
Proper Shipping Name	PAINT
Hazard Class	3
Packing Group	II
Classification code	F1
Tunnel restriction code	(D/E)
Description	UN1263, PAINT, 3, II, (D/E)

ADN

UN-No.	UN1263
Proper Shipping Name	PAINT
Hazard Class	3
Packing Group	II
Classification code	F1
Special Provisions	163, 367, 640C, 650
Description	UN1263, PAINT, 3, II
Hazard Labels	3
Limited Quantity	5 L
Ventilation	VE01

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable



The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend

TSCA	- United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL	- Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	- Japan Existing and New Chemical Substances
KECL	- Korean Existing and Evaluated Chemical Substances
PICCS	- Philippines Inventory of Chemicals and Chemical Substances
AICS	- Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
n-Butyl alcohol - 71-36-3	71-36-3	5	1.0
Isopropyl alcohol - 67-63-0	67-63-0	5	1.0
Silver - 7440-22-4	7440-22-4	0.5	1.0
Ci 77400 - 7440-50-8	7440-50-8	0.5	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Butyl acetate 123-86-4	5000 lb			X
Silver 7440-22-4		X	X	
Ci 77400 7440-50-8		X	X	

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ



Ethyl acetate 141-78-6	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Butyl acetate 123-86-4	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
n-Butyl alcohol 71-36-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Silver 7440-22-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Ci 77400 7440-50-8	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals. Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical name	California Proposition 65
Ethanol - 64-17-5	Carcinogen Developmental
Ci 77266 - 1333-86-4	carcinogen, 2/21/2003 (airborne, unbound particles of respirable size)
Titanium dioxide - 13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Ethyl acetate 141-78-6	X	X	X	X	
Butyl acetate 123-86-4	X	X	X	X	
Propyl acetate 109-60-4	X	X	X		
Triphenyl phosphate 115-86-6	X	X	X		
n-Butyl alcohol 71-36-3	X	X	X	X	
Isopropyl alcohol 67-63-0	X	X	X	X	
Heptane 142-82-5	X	X	X		
Ethanol 64-17-5	X	X	X		X
Camphor 76-22-2	X	X	X		
Titanium dioxide 13463-67-7	X	X	X		
Talc 14807-96-6	X	X	X		X
Silver 7440-22-4	X	X	X	X	
Ci 77400 7440-50-8	X	X	X	X	X
Ci 77266 1333-86-4	X	X	X		X

16. OTHER INFORMATION

NFPA	Health hazards 3	Flammability 3	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 3 *	Flammability 3	Physical hazards 0	Personal Protection X
Chronic Hazard Star Legend	* = <i>Chronic Health Hazard</i>			

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23 British American Blvd.
Latham, NY 12110
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Revision Note No information available

Disclaimer

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End of Safety Data Sheet