



Quest Inks & Coatings  
2401 Anson Drive  
Mississauga, ON, Canada, L5S 1G1  
Telephone: 905-405-0041

Surteco Yellow

SDS Preparation Date (mm/dd/yyyy): 05/27/2021

## SAFETY DATA SHEET

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### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Surteco Yellow**

Product Code(s) : SY-5107

Recommended use of the chemical and restrictions on use

: Dyes, Inks, Paints.

Use pattern: Professional Use Only

Recommended restrictions: None known.

Chemical family : Mixture

Name, address, and telephone number  
of the supplier:

Name, address, and telephone number of  
the manufacturer:

**Quest Inks & Coatings**

2401 Anson Drive  
Mississauga, ON, Canada  
L5S 1G1

Refer to supplier

Supplier's Telephone # : 905-405-0041 (Monday - Friday, 8:00 am - 4:30 pm, Eastern Time)

24 Hr. Emergency Tel # : 24 Hr. Emergency Tel. # (613) 996-6666 (CANUTEC)

### SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Yellow Liquid.

Solvent odour.

Most important hazards: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification :

Flammable Liquids - Category 3  
Acute toxicity, oral - Category 4  
Acute toxicity, inhalation - Category 4  
Acute Toxicity, dermal - Category 4  
Skin Corrosion/Irritation - Category 2  
Eye Damage/Irritation - Category 1  
Reproductive Toxicity - Category 2

Label elements

Hazard pictogram(s)



Signal Word

**DANGER!**



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### *Hazard statement(s)*

Flammable liquid and vapour.  
Harmful if swallowed, in contact with skin or if inhaled.  
Causes skin irritation.  
Causes serious eye damage.  
Suspected of damaging fertility.

### *Precautionary statement(s)*

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat/sparks/open flames/hot surfaces. - 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.  
Wash hands thoroughly after handling.  
Avoid breathing mist or vapours.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/clothing and eye/face protection.

IF exposed or concerned: Get medical advice/attention.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
Wash contaminated clothing before re-use.  
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 CENTRE or doctor/physician.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Call a POISON CENTRE or doctor/physician if you feel unwell.  
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 water fog, dry chemical, CO2 or 'alcohol' foam to extinguish.

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

Dispose of contents/container in accordance with local regulation.

### **Other hazards**

Other hazards May be sensitive to static discharge. Take measures to prevent the build up of electrostatic charge.

Other hazards which do not result in classification:

Burning produces obnoxious and toxic fumes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be an aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

### **Environmental Precautions:**

Avoid release to the environment. See Section 12 for more environmental information.



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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Cyclohexanone	Cyclohexyl ketone; Sextone	108-94-1	60.0 - 80.0
Xylenes	Dimethylbenzene; Methyltoluene; Xylol	1330-20-7	0.5 - 1.5
n-Butyl-acetate	1-Acetoxybutane Butyl ethanoate	123-86-4	0.1 - 1.0
<b>Surteco Yellow contains:</b>			
Titanium oxide	Anatase Titanic acid anhydride	13463-67-7	10.0 - 30.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms persist. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
- Inhalation* : If inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTRE or doctor/physician if you feel unwell.
- Skin contact* : Immediately flush with plenty of water, while removing contaminated clothing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.
- Eye contact* : For eye contact, flush with running water for at least 15 minutes. If eye irritation persists: get medical advice/attention.

#### Most important symptoms and effects, both acute and delayed

- : May be harmful if inhaled. May cause respiratory irritation. May cause coughing and breathing difficulties. Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis. Prolonged exposure can cause central nervous system effects. Harmful in contact with skin. Causes skin irritation. Symptoms may include redness, itching and swelling. May be an aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Suspected of damaging fertility or the unborn child.

#### Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.



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### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

##### *Suitable extinguishing media*

: Carbon dioxide (CO<sub>2</sub>); Dry chemical; Alcohol resistant foam; Water fog

##### *Unsuitable extinguishing media*

: Do not use a solid water stream as it may scatter and spread fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

: Flammable liquid and vapour. Vapours may ignite explosively. Vapours are heavier than air and may spread along floors. Static discharge, impact, friction, and heat may ignite exposed chemical material.

Empty containers may contain hazardous residues.

#### Flammability classification (OSHA 29 CFR 1910.106)

: Flammable Liquids - Category 3

#### Hazardous combustion products

: Carbon dioxide and carbon monoxide. Incomplete combustion may emit component hydrocarbons.

#### Special protective equipment and precautions for firefighters

##### *Protective equipment for fire-fighters*

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

##### *Special fire-fighting procedures*

: Do not breathe fumes or vapours. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

: All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions** : Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

#### Methods and material for containment and cleaning up

: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools and equipment in the clean-up process. Avoid breathing mist or vapours. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Contact the proper local authorities. Refer to Section 13 for disposal of contaminated material.

#### Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802). EPA/CERCLA Reportable quantity (RQ): See section 15.



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### SECTION 7. HANDLING AND STORAGE

- Precautions for safe handling :** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/clothing and eye/face protection. Use only in well-ventilated areas. Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep away from flames and hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharges. Ground all equipment during handling. Use explosion-proof electrical and ventilating equipment.
- Conditions for safe storage :** Keep container tightly closed. Store in cool/well-ventilated place. Store locked up. Keep cool. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking. Empty containers may contain hazardous residues.
- Incompatible materials :** Strong oxidizers (e.g. Chlorine, Peroxides, etc.); Nitric acid

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Limits:</b>				
<b>Chemical Name</b>	<b>ACGIH TLV</b>		<b>OSHA</b>	
	<b>TWA</b>	<b>STEL</b>	<b>PEL</b>	<b>STEL</b>
Cyclohexanone	20 ppm	50 ppm	50 ppm ; 200 mg/m <sup>3</sup>	N/Av
Titanium oxide	10 mg/m <sup>3</sup>	N/Av	15 mg/m <sup>3</sup> (total dust)	N/Av
Xylenes	100 ppm	150 ppm	100 ppm (435 mg/m <sup>3</sup> )	N/Av
n-Butyl-acetate	50 ppm	150 ppm	150 ppm (710 mg/m <sup>3</sup> )	N/Av

#### **Exposure controls**

##### **Ventilation and engineering measures**

- : Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof equipment. In case of insufficient ventilation wear suitable respiratory equipment.

##### **Respiratory protection**

- : If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

##### **Skin protection**

- : Wear protective gloves/clothing. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

##### **Eye / face protection**

- : Wear eye/face protection. Wear safety glasses with side shields ( or goggles).

##### **Other protective equipment**

- : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.



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### General hygiene considerations

- : Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothing home. Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Yellow Liquid.
- Odour** : Solvent odour.
- Odour threshold** : Not available.
- pH** : None.
- Melting/Freezing point** : Not available.

### Initial boiling point and boiling range

- : Cyclohexanone 156°C
- Flash point** : 43.9°C (111°F)
- Flashpoint (Method)** : Cleveland closed cup

**Evaporation rate (BuAe = 1)** : faster than butyl acetate

**Flammability (solid, gas)** : Not applicable.

**Lower flammable limit (% by vol.)**

: Not available.

**Upper flammable limit (% by vol.)**

: Not available.

**Oxidizing properties**

: None known.

**Explosive properties**

: Not explosive

**Vapour pressure**

: Not available.

**Vapour density**

: Not available.

### Relative density / Specific gravity

: 1.00.

**Solubility in water**

: Not available.

**Other solubility(ies)**

: Not available.

**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**

: Not available.

**Auto-ignition temperature**

: Not available.

**Decomposition temperature** : No information available.

**Viscosity** : Not available.

**Volatiles (% by weight)** : No information available.

### Volatile organic Compounds (VOC's)

: No information available.

**Absolute pressure of container**



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: Not applicable.  
**Flame projection length** : Not applicable.  
**Other physical/chemical comments**  
: None known or reported by the manufacturer.

#### SECTION 10. STABILITY AND REACTIVITY

**Reactivity** : Not normally reactive.  
**Chemical stability** : Stable under normal conditions. May turn yellow on prolonged exposure to air .



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### Possibility of hazardous reactions

- : Hazardous polymerization does not occur.

### Conditions to avoid

- : Open flames, sparks, high heat, direct sunlight, and close proximity to incompatible substances. Do not use in areas without adequate ventilation.

### Incompatible materials

- : Incompatible materials (see Section 7). Attacks some elastomers, rubber, plastic and coatings.

### Hazardous decomposition products

- : None known, refer to hazardous combustion products in Section 5.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry ingestion : YES

### Routes of exposure skin absorption

- : YES

### Potential Health Effects:

#### Signs and symptoms of short-term (acute) exposure

##### *Sign and symptoms Inhalation*

- : May cause respiratory tract irritation. Coughing, difficulty breathing, and tightness in chest. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

##### *Sign and symptoms ingestion*

- : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

##### *Sign and symptoms skin*

- : Causes skin irritation. Symptoms may include redness, itching and swelling.

##### *Sign and symptoms eyes*

- : Causes serious eye damage. Symptoms may include redness, pain, tearing and conjunctivitis. Permanent eye damage including blindness could result.

#### Potential Chronic Health Effects

- : Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

#### Mutagenicity

- : Not expected to be mutagenic in humans.

#### Carcinogenicity

- : Not classifiable as a human carcinogen, based on currently available data. Contains Titanium dioxide. Titanium dioxide is classified as possibly carcinogenic by IARC (Group 2B). Contains carbon black. However, the Carbon black and Titanium dioxide used in this product are in a non-respirable form and under normal conditions of use, Carbon black and Titanium dioxide cannot become airborne. The carcinogenic effects of Carbon black and Titanium dioxide are therefore not applicable to this product.

#### Reproductive effects & Teratogenicity

- : Not expected to cause reproductive effects.

#### Sensitization to material

- : Not expected to be a skin or respiratory sensitizer.

#### Specific target organ effects

- : According to the classification criteria of U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations)





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(WHMIS 2015), this product is not expected to cause target organ toxicity through single or repeated exposures.

**Medical conditions aggravated by overexposure**

: Pre-existing skin, eye and respiratory disorders.



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**Synergistic materials** : No information available.

**Toxicological data** : There is no data available for this product. The calculated ATE values for this mixture are:  
ATE oral = 1414.64 mg/kg  
ATE dermal = 1424.24 mg/kg  
ATE inhalation (vapours) = 10.35 mg/L

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u>	<u>LD<sub>50</sub></u>	
	<u>inh. rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Cyclohexanone	10.6 mg/L	1340 mg/kg	940 mg/kg
Xylenes	6350 ppm (27.6 mg/L) (vapour)	3253 mg/kg	12 180 mg/kg
n-Butyl-acetate	> 6867 ppm (32.6 mg/L) (vapour) (No mortality) 1.802 mg/L (aerosol)	10 700 mg/kg	> 5000 mg/kg
<b>Surteco Yellow contains:</b>			
Titanium oxide	> 6.82 mg/kg (dust) (No mortality)	> 25 000 mg/kg	> 10 000 mg/kg

**Other important toxicological hazards**

: None reported by the manufacturer.

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : Not expected to be harmful to aquatic organisms. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Do not allow material to contaminate ground water system. See the following tables for the substance's ecotoxicity data.

**Ecotoxicity data:**

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Cyclohexanone	108-94-1	96 Hr LC50 Pimephales promelas: 481 - 578 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 8.9 mg/L	N/Av	none
Titanium oxide	13463-67-7	> 100 mg/L (Japanese ricefish)	N/Av	None.
Xylenes	1330-20-7	8.2 mg/L (Rainbow trout)	N/Av	None.
n-Butyl-acetate	123-86-4	18 mg/L (Fathead minnow)	N/Av	None.



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<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Cyclohexanone	108-94-1	24 Hr EC50 Daphnia magna: 800 mg/L	N/Av	none
Titanium oxide	13463-67-7	> 100 mg/L (Daphnia magna)	N/Av	None.
Xylenes	1330-20-7	3.2 - 9.56 mg/L (Daphnia magna)	N/Av	None.
n-Butyl-acetate	123-86-4	44 mg/L (Daphnia magna)	23 mg/L (Read-across)	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Cyclohexanone	108-94-1	96 Hr EC50 Chlorella vulgaris: 20 mg/L	N/Av	none
Titanium oxide	13463-67-7	> 100 mg/L/72hr (Green algae)	N/Av	None.
Xylenes	1330-20-7	3.2 - 4.9 mg/L/72hr (Green algae)	N/Av	None.
n-Butyl-acetate	123-86-4	675 mg/L/72hr (Green algae)	200 mg/L/72hr	None.

### Persistence and degradability

: No data is available on the product itself.

### Bioaccumulation potential

: No data is available on the product itself.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Cyclohexanone (CAS 108-94-1)	0.86 at 25 °C	will not bioconcentrate
Xylenes (CAS 1330-20-7)	3.12 - 3.2	50 - 58
n-Butyl-acetate (CAS 123-86-4)	2.3	15.3 (estimated)

### Mobility in soil

: No data is available on the product itself.

### Other Adverse Environmental effects

: None known.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Handling for Disposal

: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

### Methods of Disposal

: Dispose in accordance with all applicable federal, state, provincial and local regulations.



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RCRA

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

### SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN1210	PRINTING INK	3	III	
TDG Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
49CFR/DOT	UN1210	PRINTING INK	3	III	
49CFR/DOT Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
IMDG	UN1210	PRINTING INK	3	III	
IMDG Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
ICAO/IATA	UN1210	Printing ink	3	III	
ICAO/IATA Additional information	Refer to ICAO/IATA Packing Instruction				

**Special precautions for user** : Appropriate advice on safety must accompany the package. Keep away from heat, sparks and open flame. - No smoking.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: This information is not available.

### SECTION 15 - REGULATORY INFORMATION

#### US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:



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<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Cyclohexanone	108-94-1	Yes	5000 lb/ 2270 kg	N/Av	No	NS
Titanium oxide	13463-67-7	Yes	None.	None.	No	N/Ap
Xylenes	1330-20-7	Yes	100 lbs / 45.4 kg	None.	Yes	1%
n-Butyl-acetate	123-86-4	Yes	5000 lb/ 2270 kg	None.	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Acute toxicity; Skin irritation; Serious eye damage; Reproductive toxicity. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

### US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Cyclohexanone	108-94-1	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Titanium oxide	13463-67-7	Yes	Cancer (airborne, unbound particles of respirable size)	No	Yes	Yes	Yes	Yes	Yes
Xylenes	1330-20-7	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
n-Butyl-acetate	123-86-4	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes

### Canadian Information:

Canadian Environmental Protection Act (CEPA): All ingredients are present on the DSL.

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

### International Information:

Components listed below are present on the following International Inventory list:



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Ingredients	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Cyclohexanone	108-94-1	203-631-1	Present	Present	(3)-2376	KE-09188	Present	HSR001112
Titanium oxide	13463-67-7	236-675-5	Present	Present	(5)-5225; (1)-558	KE-33900	Present	May be used as a single component chemical under an appropriate group standard.
Xylenes	1330-20-7	215-535-7	Present	Present	(3)-60; (3)-3	KE-35427	Present	HSR000983
n-Butyl-acetate	123-86-4	204-658-1	Present	Present	(2)-735; (2)-731	KE-04179	Present	HSR001091

### SECTION 16. OTHER INFORMATION

#### Legend

: ACGIH: American Conference of Governmental Industrial Hygienists  
AICS: Australian Inventory of Chemical Substances  
ATE: Acute Toxicity Estimate  
CA: California  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
CSA: Canadian Standards Association  
DOT: Department of Transportation  
ECHA: European Chemicals Agency  
ECOTOX: U.S. EPA Ecotoxicology Database  
EINECS: European Inventory of Existing Commercial chemical Substances  
ENCS: Existing and New Chemical Substances  
EPA: Environmental Protection Agency  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
IBC: Intermediate Bulk Container  
IECSC: Inventory of Existing Chemical Substances  
IMDG: International Maritime Dangerous Goods  
IOC: Inventory of Chemicals  
IUCLID: International Uniform Chemical Information Database  
KECI: Korean Existing Chemicals Inventory  
KECL: Korean Existing Chemicals List  
LC: Lethal Concentration  
LD: Lethal Dose  
MA: Massachusetts  
MN: Minnesota  
N/Ap: Not Applicable  
N/Av: Not Available  
NIOSH: National Institute of Occupational Safety and Health  
NJ: New Jersey  
NOEC: No observable effect concentration



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NTP: National Toxicology Program  
OECD: Organisation for Economic Co-operation and Development  
OSHA: Occupational Safety and Health Administration  
PA: Pennsylvania  
PEL: Permissible exposure limit  
PICCS: Philippine Inventory of Chemicals and Chemical Substances  
RCRA: Resource Conservation and Recovery Act  
RI: Rhode Island  
RTECS: Registry of Toxic Effects of Chemical Substances  
SARA: Superfund Amendments and Reauthorization Act  
SDS: Safety Data Sheet / Material Safety Data Sheet  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TSCA: Toxic Substance Control Act  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Identification System

### References

1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2016
2. International Agency for Research on Cancer Monographs, searched 2017
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2017 (Chempendium, HSDB and RTECS).
4. Material Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists - 2017 version.
6. California Proposition 65 List - 2017 version.
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2017.

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### Other special considerations for handling

- : Provide adequate information, instruction and training for operators.

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