

ETERNAL TREATMENT: NO BITE

Document N°: SDS-009

Revision: C

Date: 06-20-2021

Validity: 60 months

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1. CHEMICAL SUBSTANCE/PRODUCT AND COMPANY IDENTIFICATION

1.1 COMPANY IDENTIFICATION:

ETERNAL COSMETICS, LLC.
7060 SW 4TH STREET
MIAMI, FL 33144
USA

Tel: +1 (305) 262-5355
Fax: +1 (305)-264-4768

Cosmetic Manufactured License (State of Florida): 06526

1.2 PRODUCT INFORMATION:

Name: ETERNAL NAIL ENAMELS

Cosmetic form / Family: Liquids / Nail polish / Nail Enamels

Product description: Nail enamel formulated with raw materials that assure a long-lasting and bright finish. Fast-dry nail polish that includes hardener agents.

Product usage: Cosmetics use only. Nail enamel for decorating, conditioning and hardening nails.

Recommended usage: Remove dust and oily particles on nails, using "Nail Polish Remover" before nail enamel application. Using the brush supplied with the container, apply a thin layer of "Eternal Nail Enamel". Just allow to dry for a few minutes and repeat the operation to improve covering.

Product code: 205111, 204011

2. HAZARDS IDENTIFICATION

2.1 HAZARD IDENTIFICATION

Risk Classification	Rating	Description	NFPA Diamond
Flammability	2	<u>Below 37 °C.</u> Materials that ignite at ambient temperature	
Health	2	<u>Dangerous.</u> Material that under emergency conditions may cause disability, temporary or residual damage	
Reactivity	1	<u>Unstable on heating.</u> Normally stable but may become unstable under high temperature and pressure conditions	
Specific Risk	0	Does not pose any other risks	

2.2 HEALTH HAZARDS

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- **Inhalation:** Prolonged exposure may cause weakness and central nervous system depression. Direct inhalation of high concentrations may cause headache, nausea, dizziness and respiratory system irritation.
- **Skin contact:** Product is non-toxic if used as intended (for nail use only), however, prolonged contact can cause dermatitis and skin dryness.
- **Eyes contact:** Irritation and moderate eye damage, conjunctivitis.
- **Ingestion:** Harmful if swallowed. Product may cause gastrointestinal alteration irritation, nausea, vomit, convulsion.
- **Other effects:** Avoid exposure of pregnant women and children to this product.



and

2.3 PHYSICAL AND ENVIRONMENTAL HAZARDS

- **Flash point:** Not available.
- **Extinguishing Media:** Use dry chemical, foam, carbon dioxide, water.
- **Explosion Hazard:** Flammable. Heating may cause ignition.
- **Fire risk:** Easily flammable. Fumes may form a flammable mixture with air. Fumes may propagate for a long distance to remote ignition sources.

2.4 RISK AND SAFETY PHRASE

- **Risk Phrase:**
 - R10 Flammable
 - R20 Harmful by inhalation
 - R21 Harmful in contact with skin
 - R22 Harmful by ingestion
 - R36 Eye irritant
 - R37 Respiratory tract irritant.
 - R38 Skin irritant.
 - R41 Risk of serious eye injury.
 - R43 Possible skin sensitizer.
 - R65 Harmful. If swallowed, may cause harm to the lungs.
 - R66 Repeated exposure may lead to skin dryness and skin cracks.
 - R67 Vapor inhalation may cause somnolence and dizziness.
- **Safety Phrase:**
 - S2 Keep out of the reach of children.
 - S16 Keep away from flames or any spark source. Do not smoke in the surroundings.
 - S23 Do not inhale fumes.
 - S25 Avoid eye contact.
 - S29 Do not pour the remains into drain system.
 - S33 Avoid static charge accumulation.

2.5 SIGNAL WORD: DANGER**2.6 HAZARD PICTOGRAMS**

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Xi – Irritant
F – Easily flammable
N – Dangerous to environment



3. COMPOSITION & INGREDIENTS INFORMATION

3.1 PRODUCT COMPOSITION/ INFORMATION ABOUT INGREDIENTS:

CASE	NAME	WEIGHT %	FUNTION
67-63-0	Isopropyl Alcohol	40 - 46%	Solvent
628-63-7	Amyl Acetate	17 – 23%	Solvent
141-78-6	Ethyl Acetate	12 – 17%	Solvent
64-17-5	Alcohol Denatured	12 – 17%	Solvent
78-93-3	MEK	5 – 10%	Solvent
3734-33-6	Denatorium Benzoate	0 – 5%	Bittering Agent

4. FIRST AID MEASURES

- **Inhalation:** If inhaled directly and during long periods, take the subject to fresh air. Supply oxygen if necessary.
- **Skin contact:** Remove damp clothes and rinse skin thoroughly with water and soap, or using a known skin cleaner. Do not use any other solvent.
- **Eye contact:** Rinse immediately with plenty of water for at least 15 minutes. Search immediate medical assistance.
- **Ingestion:** Do not induce vomiting. If amount is not important, just rinse the mouth with water and ask a doctor. *In case of doubt or if symptoms persist, always call a doctor. Do not force any unconscious subject to swallow anything.*

5. FIREFIGHTING MEASURES

- **Fire & Explosion Hazards: DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR!** Keep away from heat, lit cigarettes, sparks & open flame. Keep container closed
- **Extinguishing Media:** Use dry chemical, foam, carbon dioxide, water.
- **Explosion Hazard:** Flammable Liquid. Explosive mixtures may form with air if large quantities of product are released in unventilated areas.
- **Fire Fighting Instructions:** Contact emergency personnel. Flammable material. Explosive mixtures may form with air. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved. Hazardous decomposition products may be released.

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Thermal degradation may produce oxides of carbon and/or nitrogen; hydrocarbons and/or derivatives. Thermal degradation may also produce oxides of silicone.

6. ACCIDENTAL RELEASE MEASURES

Procedures for Spill/Leak Clean-up:

- **For Household Settings:** Absorb spills and scrub the area with detergent. Ventilate area and eliminate all ignition sources.
- **For Non-Household Settings:** Ventilate area and eliminate all ignition sources. Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots etc.) to prevent skin contact.

7. HANDLING AND STORAGE

- **Work & Hygiene Practices:** Avoid prolonged contact with the product. Avoid breathing vapors of this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.
- **Handling:** Handle and store away from heat or ignition sources (sparks, flames) in a well-aerated place. Do not smoke in the surroundings, particularly when manipulating the product or at the moment of application. Check for expiration date in the container before using. Close the container tightly after every use. Keep the containers hermetically closed when not in use. Do not reuse empty containers for any purpose, hazardous remains may be present in the empty containers. Keep away from the reach of children.
- **Storage:** Store away from heat or ignition sources (sparks, flames) in a well-aerated place. Avoid direct sunlight. Store in original packaging, in dry, fresh and well-aerated places.
- **Fire prevention:** Avoid static charge accumulation by means of grounded containers. Use the product only in places where there is no presence of any kind of flame. Keep electric appliances or tools used in the surroundings well-grounded and protected against power surges. Keep the containers firmly sealed and away from heat, spark and flame sources. Do not use tools that could generate sparks. Do not smoke. Prevent access to unauthorized personnel.
- **Special Precautions:** Open containers slowly on a stable surface. Keep container tightly closed when not in use. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 EXPOSURE LEVELS:

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Substance	OSHA - PEL TWA	ACGIH - TLV TWA	EU EXPOSURE LIMITS
Ethyl Acetate	400 ppm	400 ppm	400 ppm
Isopropyl Alcohol	200 ppm	400 ppm	400 ppm
Butyl Acetate	150 ppm	150 ppm	150 ppm
Propyl Acetate	200 ppm	200 ppm	200 ppm
Naptha (Petroleum) Hydrotreated I	400 ppm	500 ppm	
Triphenyl Phosphate*	3mg/m3	3mg/m3	3 mg/m3

Ventilation of appropriate design is necessary to meet the above levels.

8.2 PERSONAL PROTECTION:

- **Technical Measures:** During manufacturing: Perform operations in a well-aerated place, if possible by means of air suction in workplaces and a convenient extraction system.
- **Respiratory Protection:** Respiratory protection during application is not needed. In case of applying the product in a poor aerated area, it is recommended to wear a proper respiratory mask. Overexposure to fumes may be prevented assuring ventilation controls, fumes extraction or fresh air intake. Adequate ventilation is recommended in particular when applying in closed or confined areas.
- **Hands & skin protection:** Use nitrile, latex or neoprene gloves, to avoid prolonged exposure. Use aprons or proper clothing to avoid skin contact.
- **Eye & face protection:** Use security goggles or any other protection to avoid eye contact with the product.
- **Other protection equipment:** Manufacturing facility must be prepared with eye rinse stations and emergency showers.
- **Hygiene practices:** Rinse all body parts in contact with the product. Separate and wash contaminated clothing before using again.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid
Odor: Characteristic Ester Odor

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Odor Threshold: No data available**PH:** Not applicable**Melting/Freezing Point:** Undefined**Initial Boiling Point and Boiling Point Range:** 75-80° C**Flash Point:** - 4° C or 24° F Method: TCC (Tag Closed Cup)**Evaporation Rate:** Undefined**Flammability:** Flammable, Category 2**Upper/lower explosion limits:** Undefined**Vapor Pressure:** Undefined**Vapor Density:** Heavier than air**Relative Density:** Undefined**Solubility:** Undefined**Water Solubility:** Insoluble**N-Octanol/Water Partition coefficient:** Undefined**Autoignition Temperature:** Undefined**Decomposition Temperature:** Undefined**Viscosity:** 230 - 300cps**Explosive Properties:** Vapors may form explosive mixture with air.**Oxidizing Properties:** Not applicable**Specific Gravity (H2O=1):** 0.889 - 0.929

10. STABILITY AND REACTIVITY

- **Stability:** Stable in normal conditions and when properly handled. Does not polymerize.
- **Reactivity:** Product is stable under proper storage conditions.
- **Compatibility:** Incompatible with: oxidizers (i.e.. Nitrates), because they increase fire or explosion risks; strong acids and bases, because they can decompose the product; metals and amines.
- **Decomposition products:** Thermal decomposition at elevated temperatures releases the following products: Carbon Monoxide (CO), Carbon Dioxide (CO₂), Nitrogen Oxides, Methane, Hydrogen Cyanide, Aldehydes, Carboxylic Acids and other irritant gases.
- **Conditions that must be avoided:** Direct sunlight, high temperatures, storage near heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

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Section 11.1 Product Information

Inhalation	May cause drowsiness and dizziness based on components. May cause irritation of respiratory tract.
Eye Contact	Irritating to eyes
Skin Contact	May cause irritation

Section 11.2 Acute Toxicity

Substance	LD50 ORAL [mg/kg]	LD50 DERMAL [mg/kg]	LC50 INHALATION [mg/l]
Ethyl Acetate	5,620	18,000	4
Isopropyl Alcohol	5,045	12,800	73
Butyl Acetate	10,700	17,600	21
Propyl Acetate	8,700	17,800	32
Niacin (Nicotinic) Hydrochloride Li	5,840	3,000	23
Triphenyl Phosphite*	25,000	10,000	5,000

Section 11.3 Acute Toxicity Calculations

Category 4	Category 3	Category 4
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Section 11.4 - Chronic Toxicity and CMR Effects

Reproductive Toxicity: Not Classified
 Mutagenicity: Not Classified
 Carcinogenicity: The table below indicates whether each agency has listed any ingredients as a carcinogen

Components	NTP	IARC	OSHA
Isopropyl Alcohol		Group 3	

IARC (International Agency For Research on Cancer)

Group 2B - Probably Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

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

X - Present

12. ECOLOGICAL INFORMATION

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the supplier on request.

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Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethyl Acetate	3300 mg/L (IUCUID: 48 hr. <i>Scenedesmus quadricauda</i>)	LC50: 230 mg/L (IUCUID: 96hr. Fathead minnow)	Bacteria: 2600mg/L (IUCUID: 10hr. <i>Pseudomonas putida</i>)	720 mg/L (IUCUID 48hr. <i>Daphnia magna</i>)
Isopropyl Alcohol	ERC 50: alga <i>Scenedesmus</i> sp, static, growthrate inhibition, 72hr: > 1000 mg/L. NOEC: alga <i>Scenedesmus</i> sp, static, growth inhibition, (cell density reduction) 7 d. 1800 mg/L.	EC50: fathead minnow, static, 24hr immobilization: > 1000 mg/L.	ERC50: activated sludge: > 1,000 mg/L.	water flea <i>Daphnia magna</i> , static renewal, 21 d. NOEC: 30mg/L.
Butyl Acetate	675 mg/L (IUCUID: 72 hr. <i>Desmodesmus subspicatus</i>)	LC50: 100 mg/L (IUCUID: 96hr. Fathead minnow)	Not Available	72 mg/L (IUCUID 72hr. <i>Daphnia magna</i>)
Propyl Acetate	ERC 50: green alga <i>Pseudokirchneriella subcapitata</i> , static, growth rate inhibition, 72hr: 672 mg/L.	LC50: Fathead minnow, flow-through 96hr: 60mg/L.	EC50: <i>Pseudomonas putida</i> , static, 16hr: 170mg/L.	EC50: water flea <i>Daphnia magna</i> , static, 48hr immobilization: 01.5 mg/L.
Naptha (Petroleum) Hydrotreated	EC 50: <i>Pseudokirchneriella subcapitata</i> , growth rate, 72hr: 10-30 mg/L. Data for similar materials	LL50: <i>Oncorhynchus mykiss</i> : 86hr, >13.4 mg/L. data for similar materials	Not Available	EL50 (water flea <i>Daphnia magna</i> 48hr): 3 mg/L. Data for similar materials
Triphenyl Phosphate ⁴	Chronic LOEC, <i>Selenastrum capricornutum</i> , 0.5 to 5 mg/L.	Acute LC50, <i>Oncorhynchus mykiss</i> , 66hr: 0.4mg/L.	Not Available	Acute EC50, 48hr, 1mg/L.

13. DISPOSAL CONSIDERATIONS

Waste disposal must be in accordance with appropriate Federal, state, and local regulations.

For Household Settings: The following instructions are for consumer usage only. Do not discharge product into natural waters without pre-treatment or adequate dilution. Keep product closed to avoid volatilization.

For Non-Household Settings: Products covered by this MSDS, in their original form, when disposed as waste, are ignitable hazardous waste, D001, according to Federal RCRA regulations (40 CFR 261).

14. TRANSPORTATION INFORMATION

14.1 GENERAL INFORMATION:

Considerations: According to transportation regulations in every country. Keep containers and packaging completely closed and sealed during transportation. Keep the containers in vertical position during transportation and at any time, to avoid spills. It is recommended to keep the original packaging (corrugated boxes, carton boxes) when more than 6 units are transported.

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Transport the product according to the following regulations:

RID: International regulation concerning transportation of dangerous goods by train.

ADR: European international agreements for dangerous goods transportation overland.

IMGD: International regulations for transportation of dangerous goods by sea.

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

DGR: Dangerous Goods Regulation, specified by IATA

CFR: Code of Federal Regulations

UN1263=Paints (includes paint, lacquers, enamels colorants, rubber lake, varnish, polish, liquid preparations and liquid base for lakes) or Paint-related materials

N° UN: 1263

Technical name: Paints or Paint-related materials.

Description: Paint-related materials including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base, or paint related material including paint thinning, drying, removing, or reducing compounds.

ROAD TRANSPORT

Technical Name PAINT (Source of danger: Ethyl Acetate, Ethyl Acetate, Nitrocellulose, Isopropyl Alcohol)
ADR Class 3
ADR Pack Group II
Tunnels Restriction Code D/E
Danger Label 3
Kemler Number 33
UN Number 1263

MARITIME TRANSPORT

Technical Name PAINT (Source of danger: Ethyl Acetate, Ethyl Acetate, Nitrocellulose, Isopropyl Alcohol)
UN Number 1263
IMDG Class 3
Marine Pollutant No
EmS Number F-E, S-D
IMDG Pack Group II
Danger Label 3
Flash Point -5 °C

Other indications relative to Maritime Transport:

-Not viscous product as per IMDG code 2.3.2.5

-Limited Quantity 5L/30 kg (gross)

Certified Packaging: Internal packaging: metal, glass, plastic
External packaging: carton 4G

IATA

Technical Name PAINT (Source of danger: Ethyl Acetate, Ethyl Acetate, Nitrocellulose, Isopropyl Alcohol)
UN Number 1263
IATA Class 3
Danger Label 3
Pack Group II
Packing Instr. 353 (Passenger) – Maximum Quantity 5L
364 (Cargo) – Maximum Quantity 60L

15. REGULATORY INFORMATION

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EU DPD (Dangerous Products Directive) Classification (DPD 88/379/EEC). Regulated as a Cosmetic and/or Drug by the FDA (U.S.), HPB (Canada), Cosmetics Directive (EU), MHW (Japan) and China (MOH).

While this finished product is not considered hazardous as defined by OSHA in 29 CFR 1900.1200 (d), this SDS contains valuable information critical to the safe handling and proper use of the product.

US Federal

The products described in this Material Safety Data Sheet are regulated under the Federal Food, Drug and Cosmetics Act and are safe to use as per directions on container, box or accompanying literature (where applicable).

CERCLA reportable quantity (RQ):

Ingredient	CAS #	Level	RQ
Ethyl Acetate	141-78-6	15-40%	5000 lbs
Butyl Acetate	123-86-4	15-40%	5000 lbs
RCRA Hazardous Waste No. D001/Unlisted Hazardous Waste Characteristic of Ignitability (Nitrocellulose)	9004-70-0	10-30%	100 lbs
RCRA Hazardous Waste No. D001/Unlisted Hazardous Waste Characteristic of Ignitability (Isopropyl Alcohol)	67-63-0	3-7%	100 lbs
Aluminum (Alumina)	1333-84-2	0-1.5%	None
Manganese Compounds (Manganese Violet)	10101-66-3	0-1.5%	None
Cyanide Compounds (Ferric Ferrocyanide)	14038-43-8	<0.5%	None
Chromium Compounds (Chromium Oxide Greens)	1308-38-9	<0.5%	None

SARA 313/302/304/311/312 chemicals:

Ingredient	CAS #	Level	313	302	304	311	312
Isopropyl Alcohol	67-63-0	3-7%	Yes	No	No	No	No
Aluminum Oxide (Alumina)	1333-84-2	0-1.5%	Yes	No	No	No	No
Aluminum (Aluminum Powder)	7429-90-5	<0.5%	Yes	No	No	No	No
Manganese Compounds (Manganese Violet)	10101-66-3	0-1.5%	Yes	No	No	No	No
Cyanide Compounds (Ferric Ferrocyanide)	14038-43-8	<0.5%	Yes	No	No	No	No
Chromium Compounds (Chromium Oxide Greens)	1308-38-9	<0.5%	Yes	No	No	No	No

Other Federal Requirements:

This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics)

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Other Canadian Regulations

All ingredients are CEPA approved for import to Canada. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the CPR

**State Regulatory Information:**

Ingredients in this mixture might be found on the some state criteria lists.
California Prop 65: None of the chemicals in this product are listed

67/548/EEC (European Union) Requirements:

The primary component of this product is not listed in Annex I of EU Directive 67/548/EEC: Hema: (Xi) Irritant. R: 36/38-43 Irritating to eyes and skin. May cause sensitization by skin contact. S: 226-28 Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. HAZCHEM CODE: 3[Y]E

**16. OTHER INFORMATION****Other Information:**

DANGER! HIGHLY FLAMMABLE LIQUID AND VAPOR. MAY CAUSE AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. Keep away from heat/sparks/open flame/ hot surface. No Smoking. Keep container tightly closed. Take precautionary measures against static discharge. Avoid breathing fume/mist/vapors/spray. Wash exposed skin areas thoroughly. IF ON SKIN. Wash with soap and water. IF IN EYES: rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If skin irritation or rash occurs – Get medical advice/attention. Store in a well-ventilated place. Keep cool. Use only as directed. Store in a cool place. **KEEP OUT OF REACH OF CHILDREN.**

Terms & Definitions

Please see last page of this SDS

Disclaimer:

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by ETERNAL COSMETICS LLC to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. ETERNAL COSMETICS LLC assumed no responsibility for

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injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product. Be sure to consult the latest edition.

Prepared by

ETERNAL COSMETICS LLC



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DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No. Chemical Abstract Service Number

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURE:

CFR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



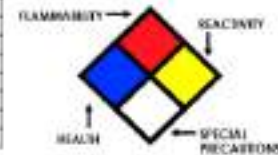
NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COF	Corrosive
-W	Use No Water
OX	Oxidizer



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
LD ₀₁	Lowest dose to cause a symptom
TC ₀₁	Lowest concentration to cause a symptom
LD ₀₁ , LC ₀₁ , & LD ₀₁ or LC ₀₁ , LC ₀₁ , & LC ₀₁	Lowest dose (or concentration) to cause lethal or toxic effect
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
TECS	Registry of Toxic Effects of Chemical Substances
RCF	Reconcentration Factor
TL ₀₁	Median threshold limit
log K _{ow} or log K _{oc}	Coefficient of Oil/Water Distribution

PERSONAL PROTECTION RATINGS:

A	[Gloves]	G	[Gloves, Goggles, Respirator]
B	[Gloves, Goggles]	H	[Gloves, Goggles, Respirator, Protective Clothing]
C	[Gloves, Goggles, Protective Clothing]	I	[Gloves, Goggles, Respirator, Protective Clothing, Eye Protection]
D	[Gloves, Goggles, Protective Clothing, Eye Protection]	J	[Gloves, Goggles, Respirator, Protective Clothing, Eye Protection, Foot Protection]
E	[Gloves, Goggles, Protective Clothing, Eye Protection, Foot Protection]	K	[Gloves, Goggles, Respirator, Protective Clothing, Eye Protection, Foot Protection, Head Protection]
F	[Gloves, Goggles, Protective Clothing, Eye Protection, Foot Protection, Head Protection]	X	Consult your supervisor or S.O.P. for special handling directions.



OTHER STANDARD ABBREVIATIONS

NA	Not Available
NR	No Result
NE	Not Established
NI	Not Reported
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:	
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
DSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EE	European Union (European Union Directive 67/548/EEC)

EC INFORMATION:

Corrosive	Explosive	Flammable	Hazard	Oxidizing	Toxic	Irritant	Hazard

OXID	EXP	FLAM	HAZ	OXID	TOX	IRR	HAZ
Oxidizing	Explosive	Flammable	Hazard	Oxidizing	Toxic	Irritant	Hazard

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End of SDS

