

**Published Date**  
May-15-2019

**Revision Date**  
May-15-2019

**Revision Number**  
2.5

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product identifier**

**Product code** **GV107**  
**Product name** **Permanent Maroon**  
**Product category** **GV Series SV Vinyl Screen Ink**

**Other means of identification**

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended use** Printing operations

**Details of the supplier of the safety data sheet**

UNITED STATES	UNITED KINGDOM
Nazdar Company	Nazdar Limited
8501 Hedge Lane Terrace	Barton Road
Shawnee, KS 66227	Heaton Mersey
Tel: +001-913-422-1888	Stockport, England SK4 3EG
Tel: +001-800-677-4657	Tel: +44 161 442 2111
Fax: +001-913-422-2294	
www.nazdar.com	

**Emergency telephone number**

USA: Chemtrec: +001-800-424-9300  
Outside USA: Chemtrec: +001-703-527-3887  
24 Hour Emergency Phone Number

**2. HAZARDS IDENTIFICATION**

**Classification**

Serious eye damage/eye irritation	Category 2 - (H319)
Carcinogenicity	Category 2 - (H351)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Aspiration toxicity	Category 1 - (H304)
Chronic aquatic toxicity	Category 3 - (H412)

**Label elements**



**Signal Word**  
Danger

**Hazard Statements**

H304 - May be fatal if swallowed and enters airways  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H351 - Suspected of causing cancer

H412 - Harmful to aquatic life with long lasting effects

### Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P202 - Do not handle until all safety precautions have been read and understood

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P273 - Avoid release to the environment

P331 - Do NOT induce vomiting

### Hazards not otherwise classified (HNOC)

Causes mild skin irritation. Harmful to aquatic life.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Component	CAS-No	Weight %	Trade Secret	Note
Isophorone	78-59-1	30 - 60	*	
Solvent naphtha, petroleum, heavy aromatic	64742-94-5	10 - 30	*	
Ethyl 3-ethoxypropionate	763-69-9	5 - 10	*	
Solvent naphtha, petroleum, light aromatic	64742-95-6	1 - 5	*	
1,2,4-Trimethylbenzene (constituent)	95-63-6	< 1	*	1
Naphthalene (constituent)	91-20-3	< 1	*	1
1,3,5-Trimethylbenzene (constituent)	108-67-8	< 0.5	*	1
Naphthenic acid	1338-24-5	< 0.5	*	
Cumene (constituent)	98-82-8	< 0.5	*	1

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

Note 1. Type of chemical: Constituent

## 4. FIRST AID MEASURES

### Description of first aid measures

#### General Advice

Show this safety data sheet to the doctor in attendance.

#### Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

#### Skin Contact

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

#### Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

#### Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

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

None under normal use conditions.

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

#### Notes to Physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available.

**Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Environmental precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

**Methods and material for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Handling**

Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Ensure adequate ventilation.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of the reach of children.

**Incompatible Products**

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure limits**

Component	ACGIH TLV
Isophorone 78-59-1	Ceiling: 5 ppm
Naphthalene (constituent) 91-20-3	TWA: 10 ppm Skin
Cumene (constituent) 98-82-8	TWA: 50 ppm

Component	OSHA PEL
Isophorone	TWA: 25 ppm

78-59-1	TWA: 140 mg/m <sup>3</sup>
Naphthalene (constituent) 91-20-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>
Cumene (constituent) 98-82-8	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> Skin

Component	OSHA PEL (vacated)
Isophorone 78-59-1	TWA: 4 ppm TWA: 23 mg/m <sup>3</sup>
Naphthalene (constituent) 91-20-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> STEL: 15 ppm STEL: 75 mg/m <sup>3</sup>
Cumene (constituent) 98-82-8	TWA: 50 ppm TWA: 245 mg/m <sup>3</sup> Skin

Component	Ontario TWAEV
Isophorone 78-59-1	Ceiling: 5 ppm
Ethyl 3-ethoxypropionate 763-69-9	TWA: 50 ppm TWA: 300 mg/m <sup>3</sup>
Naphthalene (constituent) 91-20-3	TWA: 10 ppm Skin
Cumene (constituent) 98-82-8	TWA: 50 ppm

Component	Mexico OEL (TWA)
Isophorone 78-59-1	Ceiling: 5 ppm Ceiling: 25 mg/m <sup>3</sup>
Naphthalene (constituent) 91-20-3	TWA/VLE-PPT: 10 ppm TWA/VLE-PPT: 50 mg/m <sup>3</sup> STEL/PPT-CT: 15 ppm STEL/PPT-CT: 75 mg/m <sup>3</sup>
Cumene (constituent) 98-82-8	TWA/VLE-PPT: 50 ppm TWA/VLE-PPT: 245 mg/m <sup>3</sup> STEL/PPT-CT: 75 ppm STEL/PPT-CT: 365 mg/m <sup>3</sup>

### Appropriate engineering controls

#### Engineering Measures

Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

### Individual protection measures, such as personal protective equipment

#### Eye/Face Protection

Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Skin Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

#### Hand Protection

Chemical resistant protective gloves.  
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time): eg. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other  
Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers. Taking into account the varying conditions, the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.  
Due to different glove types, the manufacturer's directions for use should be observed. Replace gloves immediately when torn or any change in appearance is noticed such as

dimension, color, flexibility.

**Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Appearance</b>	Colored Liquid
<b>Odor</b>	Characteristic	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		No data available
Melting Point / Freezing Point		No data available
Boiling Point / Boiling Range	> 149 °C / 300 °F	
Flash Point	66 °C / 150 °F	Setaflash closed cup
Evaporation rate		No data available
Flammability Limit in Air		
Upper flammability limit		No data available
Lower flammability limit		No data available
Vapor Pressure		No data available
Vapor Density		No data available
Specific Gravity	1.03	
Water Solubility		No data available
Solubility in other solvents		No data available
Partition coefficient: n-octanol/water		No data available
Autoignition Temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available

<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available

Other Information

<b>Photochemically Reactive</b>	Yes
<b>Weight Per Gallon (lbs/gal)</b>	8.6

VOC by weight % (less water)	VOC by volume % (less water)	VOC lbs/gal (less water)	VOC grams/liter (less water)
65.59	67.43	5.65	676.49

**10. STABILITY AND REACTIVITY**

Reactivity

No information available.

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

**Conditions to avoid**

Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Inhalation**

Specific test data for the substance or mixture is not available.

**Eye Contact**

Specific test data for the substance or mixture is not available.

**Skin Contact**

Specific test data for the substance or mixture is not available.

**Ingestion**

Specific test data for the substance or mixture is not available.

Component	Oral LD50
Isophorone 78-59-1	= 1870 mg/kg ( Rat )
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	> 5000 mg/kg ( Rat )
Ethyl 3-ethoxypropionate 763-69-9	= 5 g/kg ( Rat )
Solvent naphtha, petroleum, light aromatic 64742-95-6	= 8400 mg/kg ( Rat )
1,2,4-Trimethylbenzene (constituent) 95-63-6	= 3280 mg/kg ( Rat )
Naphthalene (constituent) 91-20-3	= 1110 mg/kg ( Rat )
Naphthenic acid 1338-24-5	= 3000 mg/kg ( Rat )
Cumene (constituent) 98-82-8	= 1400 mg/kg ( Rat )

Component	Dermal LD50
Isophorone 78-59-1	= 1700 mg/kg ( Rat )
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	> 2 mL/kg ( Rabbit )
Ethyl 3-ethoxypropionate 763-69-9	> 9500 mg/kg ( Rabbit )
Solvent naphtha, petroleum, light aromatic 64742-95-6	> 2000 mg/kg ( Rabbit )
1,2,4-Trimethylbenzene (constituent) 95-63-6	> 3160 mg/kg ( Rabbit )
Naphthalene (constituent) 91-20-3	= 1120 mg/kg ( Rabbit )
Naphthenic acid 1338-24-5	> 20000 mg/kg ( Rabbit )
Cumene (constituent) 98-82-8	= 12300 µL/kg ( Rabbit )

Component	Inhalation LC50
Isophorone 78-59-1	= 7 mg/L ( Rat ) 4 h
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	> 590 mg/m <sup>3</sup> ( Rat ) 4 h
Ethyl 3-ethoxypropionate 763-69-9	> 5.96 mg/L ( Rat ) 6 h
Solvent naphtha, petroleum, light aromatic 64742-95-6	= 3400 ppm ( Rat ) 4 h
1,2,4-Trimethylbenzene (constituent) 95-63-6	= 18 g/m <sup>3</sup> ( Rat ) 4 h
Naphthalene (constituent)	> 340 mg/m <sup>3</sup> ( Rat ) 1 h

91-20-3	
1,3,5-Trimethylbenzene (constituent) 108-67-8	= 24 g/m <sup>3</sup> ( Rat ) 4 h
Cumene (constituent) 98-82-8	> 3577 ppm ( Rat ) 6 h

**Information on toxicological effects**

**Symptoms** Specific test data for the substance or mixture is not available.

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

**Skin corrosion/irritation** Specific test data for the substance or mixture is not available.  
**Eye damage/irritation** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components).  
**Irritation** Specific test data for the substance or mixture is not available.  
**Corrosivity** Specific test data for the substance or mixture is not available.  
**Sensitization** Specific test data for the substance or mixture is not available.  
**Mutagenic Effects** Specific test data for the substance or mixture is not available.  
**Carcinogenic effects** Specific test data for the substance or mixture is not available. Suspected of causing cancer. (based on components).  
**Reproductive Effects** Specific test data for the substance or mixture is not available.  
**STOT - single exposure** Specific test data for the substance or mixture is not available. May cause respiratory irritation. (based on components).  
**STOT - repeated exposure** Specific test data for the substance or mixture is not available.  
**Chronic Toxicity** Specific test data for the substance or mixture is not available.  
**Aspiration hazard** Specific test data for the substance or mixture is not available. May be fatal if swallowed and enters airways. (based on components).  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH
Isophorone 78-59-1	A3
Naphthalene (constituent) 91-20-3	A3

Component	IARC
Naphthalene (constituent) 91-20-3	Group 2B
Cumene (constituent) 98-82-8	Group 2B

Component	NTP
Naphthalene (constituent) 91-20-3	Reasonably Anticipated
Cumene (constituent) 98-82-8	Reasonably Anticipated

Component	OSHA
Naphthalene (constituent) 91-20-3	X
Cumene (constituent) 98-82-8	X

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity

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

**ATEmix (oral)** 4,188.00 mg/kg  
**ATEmix (dermal)** 3,807.00 mg/kg mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Specific test data for the substance or mixture is not available. Harmful to aquatic life with long lasting effects. (based on components).

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Component	Algae/aquatic plants
Isophorone 78-59-1	96h EC50 Pseudokirchneriella subcapitata: 51.1 - 342 mg/L 72h EC50 Desmodesmus subspicatus: = 475.4 mg/L
Cumene (constituent) 98-82-8	72h EC50 Pseudokirchneriella subcapitata: = 2.6 mg/L

Component	Fish
Isophorone 78-59-1	96h LC50 Pimephales promelas: 213 - 271 mg/L (static) 96h LC50 Lepomis macrochirus: 180 - 250 mg/L (static) 96h LC50 Pimephales promelas: 132 - 159 mg/L (flow-through)
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	96h LC50 Pimephales promelas: = 19 mg/L (static) 96h LC50 Oncorhynchus mykiss: = 2.34 mg/L 96h LC50 Lepomis macrochirus: = 1740 mg/L (static) 96h LC50 Pimephales promelas: = 45 mg/L (flow-through) 96h LC50 Pimephales promelas: = 41 mg/L
Ethyl 3-ethoxypropionate 763-69-9	96h LC50 Pimephales promelas: = 62 mg/L (static)
Solvent naphtha, petroleum, light aromatic 64742-95-6	96h LC50 Oncorhynchus mykiss: = 9.22 mg/L
1,2,4-Trimethylbenzene (constituent) 95-63-6	96h LC50 Pimephales promelas: 7.19 - 8.28 mg/L (flow-through)
Naphthalene (constituent) 91-20-3	96h LC50 Pimephales promelas: 5.74 - 6.44 mg/L (flow-through) 96h LC50 Pimephales promelas: = 1.99 mg/L (static) 96h LC50 Lepomis macrochirus: = 31.0265 mg/L (static) 96h LC50 Oncorhynchus mykiss: = 1.6 mg/L (flow-through) 96h LC50 Oncorhynchus mykiss: 0.91 - 2.82 mg/L (static)
1,3,5-Trimethylbenzene (constituent) 108-67-8	96h LC50 Pimephales promelas: = 3.48 mg/L
Naphthenic acid 1338-24-5	96h LC50 Lepomis macrochirus: = 5.6 mg/L (static)
Cumene (constituent) 98-82-8	96h LC50 Oncorhynchus mykiss: = 4.8 mg/L (flow-through) 96h LC50 Poecilia reticulata: = 5.1 mg/L (semi-static) 96h LC50 Pimephales promelas: 6.04 - 6.61 mg/L (flow-through) 96h LC50 Oncorhynchus mykiss: = 2.7 mg/L (semi-static)

Component	Crustacea
Isophorone 78-59-1	48h EC50 Daphnia magna: = 117 mg/L
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	48h EC50 Daphnia magna: = 0.95 mg/L
Ethyl 3-ethoxypropionate 763-69-9	48h EC50 Daphnia magna: = 970 mg/L
Solvent naphtha, petroleum, light aromatic 64742-95-6	48h EC50 Daphnia magna: = 6.14 mg/L
1,2,4-Trimethylbenzene (constituent) 95-63-6	48h EC50 Daphnia magna: = 6.14 mg/L
Naphthalene (constituent) 91-20-3	48h EC50 Daphnia magna: 1.09 - 3.4 mg/L Static 48h EC50 Daphnia magna: = 1.96 mg/L Flow through 48h LC50 Daphnia magna: = 2.16 mg/L
Cumene (constituent) 98-82-8	48h EC50 Daphnia magna: 7.9 - 14.1 mg/L Static 48h EC50 Daphnia magna: = 0.6 mg/L

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available

Component	Partition coefficient
Isophorone	1.66



78-59-1 Solvent naphtha, petroleum, heavy aromatic 64742-94-5	2.9 - 6.1
Ethyl 3-ethoxypropionate 763-69-9	1.35
1,2,4-Trimethylbenzene (constituent) 95-63-6	3.63
Naphthalene (constituent) 91-20-3	3.6
Cumene (constituent) 98-82-8	3.7

**Other adverse effects**  
No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste Disposal Methods** Contain and dispose of waste according to local regulations.

**Contaminated Packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. TRANSPORT INFORMATION**

**Note:** This information is not intended to convey all specific transportation requirements relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation information can be found in the specific regulations for your mode of transportation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

**DOT** Not regulated  
**Proper Shipping Name** Printing Ink

**ICAO / IATA / IMDG / IMO** Not Regulated  
**Proper Shipping Name** Printing Ink

**15. REGULATORY INFORMATION**

**International Inventories**

All components are listed on the TSCA Inventory. For further information, please contact: Supplier (manufacturer/importer/downstream user/distributor).

**U.S. 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.

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Naphthalene (constituent)	91-20-3	< 1	0.1

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:.

Component	CAS-No	Weight %
Isophorone	78-59-1	30 - 60

Naphthalene (constituent)	91-20-3	< 1
Cumene (constituent)	98-82-8	< 0.5

**U.S. State Regulations**

Component	Massachusetts Right To Know
Isophorone 78-59-1	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
1,3,5-Trimethylbenzene (constituent) 108-67-8	X
Naphthenic acid 1338-24-5	X
Cumene (constituent) 98-82-8	X

Component	Minnesota Right To Know
Isophorone 78-59-1	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
Cumene (constituent) 98-82-8	X

Component	New Jersey Right To Know
Isophorone 78-59-1	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
Naphthenic acid 1338-24-5	X
Cumene (constituent) 98-82-8	X

Component	Pennsylvania Right To Know
Isophorone 78-59-1	X
1,2,4-Trimethylbenzene (constituent) 95-63-6	X
Naphthalene (constituent) 91-20-3	X
Naphthenic acid 1338-24-5	X
Cumene (constituent) 98-82-8	X

**California Prop. 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

Component	California Prop. 65
Naphthalene (constituent)	Carcinogen
Cumene (constituent)	Carcinogen

**Canada**

Component	NPRI - National Pollutant Release Inventory
Isophorone 78-59-1	Part 4 Substance
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	Part 5, Other Groups and Mixtures; Part 4 Substance
Ethyl 3-ethoxypropionate 763-69-9	Part 4 Substance
Solvent naphtha, petroleum, light aromatic 64742-95-6	Part 5, Other Groups and Mixtures
1,2,4-Trimethylbenzene (constituent) 95-63-6	Part 5, Individual Substances; Part 4 Substance
Naphthalene (constituent) 91-20-3	Part 1, Group A Substance; Part 4 Substance
1,3,5-Trimethylbenzene (constituent) 108-67-8	Part 5, Isomer Groups; Part 4 Substance
Cumene (constituent) 98-82-8	Part 1, Group A Substance; Part 4 Substance

## 16. OTHER INFORMATION

HMIS:	Health	Flammability	Reactivity	Personal Protection
	2 *	2	0	X

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value

#### **ACGIH: (American Conference of Governmental Industrial Hygienists)**

- A1 - Known Human Carcinogen
- A2 - Suspected Human Carcinogen
- A3 - Animal Carcinogen

#### **IARC: (International Agency for Research on Cancer)**

- Group 1 - Carcinogenic to Humans
- Group 2A - Probably Carcinogenic to Humans
- Group 2B - Possibly Carcinogenic to Humans

#### **NTP: (National Toxicity Program)**

- Known - Known Carcinogen
- Reasonably Anticipated to be a Human Carcinogen

#### **OSHA: (Occupational Safety & Health Administration)**

- X - Present

**Revision Date** May-15-2019

#### **Pursuant to NOM-018-STPS-2015**

This information within is considered correct but is not exhaustive and will be used for guidance only, which is based on the current knowledge of the substance or mixture and is applicable to the appropriate safety precautions for the product.

#### **Disclaimer**

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.

**End of Safety Data Sheet**