

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

**Product Identifier:** Roll Off

**Other Means of Identification:** Not applicable

**Recommended Use:** Engine Degreaser

**Initial Supplier Identifier:** GP Chemicals Specialty Ltd. 65 Beckett Avenue,  
Holland Landing, ON. L9N 1R8 (905)731-3622

**Emergency telephone number:** Canada Call CANUTEC (613) 996-6666

**Issuing Date:** 03/08/17

## SECTION 2 – HAZARD IDENTIFICATION

**Physical hazards:** Combustible Liquid  
Health hazards Acute toxicity, oral Category 4  
Acute toxicity, dermal Category 4  
Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2  
Sensitization, skin Category 1  
Specific target organ toxicity, single exposure Category 3  
Hazardous to the aquatic environment, acute Category 2 hazard

**Environmental hazards:**

OSHA defined hazards Not classified.

**Label elements:**



**Signal word:** Danger

**Hazard statement:**

Combustible Liquid. Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness.

**Precautionary statement:**

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not apply while equipment is energized. Extinguish all flames, pilot lights and heaters. Vapors will accumulate readily and may ignite. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Avoid breathing mist or vapor. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wear eye/face protection. Wear protective gloves/protective clothing. Wash thoroughly after handling. Avoid release to the environment.

**Response If swallowed:**

Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Storage Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst.

**Disposal:**

Dispose of contents/container in accordance with local/regional/national regulations.

**Hazard(s) not otherwise classified (HNOC):**

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Concentration	Common name/ Synonyms	Other Identifiers
Mineral Spirits	64742-88-7	60-100%	Solvent Naphtha Medium Aliphatic	
Glycol Ether EB	111-76-2	5-10%	Butyl	

**Notes:**

**SECTION 4 – FIRST AID MEASURES**

**Inhalation:** No special requirements

**Skin Contact:** If you suspect a reaction to this product, discontinue use and remove contaminated clothing.

**Eye Contact:** Rinse with clean water for at least 5 minutes

**Ingestion:** If swallowed, Rinse mouth with water. If irritation occurs seek medical attention

**Most Important Symptoms and Effects, Acute and Delayed:**

**Overview**

SKIN: None known

EYES: Avoid contact with eyes. If not removed promptly, will injure eye tissue which may result in permanent damage

INGESTION: May cause pain, irritation, and sores in mouth, esophagus, and stomach.

**Immediate Medical Attention and Special Treatment:**

**SECTION 5 – FIRE-FIGHTING MEASURES**

**Extinguishing Media Suitable:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Extinguishing Media Specific Hazards Arising from the Product:** Vapor may travel to source of ignition and flash back. Vapors may form explosive mixtures with air.

**Special Protective Equipment and Precautions for Fire-Fighters:** Use personal protective equipment.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment, and Emergency Procedures:**

Remove all sources of ignition.  
Wear personal protective equipment.  
Wash thoroughly after handling.

### **Environmental precautions:**

Do not flush into surface water or sanitary sewer system.  
Use appropriate containment to avoid environmental contamination.  
Outside of normal use, avoid release to the environment.

### **Methods for Containment and Cleaning Up:**

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations. (see section 13).  
Use only non-sparking equipment.  
Dike large spills.  
Clean residue from spill site.

## SECTION 7 – HANDLING AND STORAGE

### **Precautions for Safe Handling:**

Avoid contact with eyes and lips.  
For personal protection see section 8.  
Use only as directed.  
**KEEP OUT OF REACH OF CHILDREN AND PETS**  
Do Not pierce or burn, even after use.

### **Advice on protection against fire and explosion:**

Keep away from sources of ignition – No smoking.  
Do not spray on open flame or other ignition source.

### **Conditions for Safe Storage:** exceeding 50C / 122F

Protect from sunlight. Do not expose to temperatures

<b>SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION</b>					
Components	CAS-No.	Mg/m <sup>3</sup>	ppm	Non-Standard Units	Basis
Mineral Spirits	64742-88-7	350-1800 (ceiling)	500	N/A	OSHA PEL (TWA) NIOSH REL (TWA) NIOSH REL (STEL)
Glycol Ether EB	111-76-2	130	20	N/A	US (ACGIH) ACGIH TLV

**Individual Protection Measures:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**Eye/Face Protection:** Use full face-shield or chemical safety goggles when there is potential for contact.

**Skin Protection:** Gloves and protective clothing made from nitrile rubber, PVC, viton or neoprene should be impervious under conditions of use. Do not use gloves or protective clothing made from natural rubber or butyl rubber. Prior to use, user should confirm impermeability. Discard contaminated gloves.

**Respiratory Protection:** None needed under normal use conditions with adequate ventilation.

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## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Liquid

**Color:** Colourless, clear

**Odour:** Solvent odour, hydrocarbon odour, ether odour

**Odour Threshold:** 1 ppm

**pH:** Not applicable

**Melting Point and Freezing Point:** -76°C/-104°F

**Initial Boiling Point and Boiling Range:** 159°C -195°C/318.2°F -383°F

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**Flash Point:** 43°C/109.4°F

**Evaporation Rate (Butyl Acetate=1.0):** 0.14

**Flammability:** Yes

**Flammability/Explosive Limits in Air:** 0.8% (lower explosive limit); 5.6% (upper explosive limit)

**Vapour Pressure (mm Hg at 20°C):** 0.28-0.3 kPa @ 20 C

**Vapour Density (Air = 1.0):** 5

**Relative Density (g/cc):** 0.78

**Solubility in Water:** Negligible, nil; also soluble in hydrocarbons and other non-polar solvents; nearly insoluble in methanol

**Partition Coefficient, Octanol/Water (Log Pow):** 3.16 - 7.15

**Auto-ignition Temperature:** >220°C />428°F

**Decomposition Temperature:** Not available

**Viscosity:** 1.5 centistokes (25°C/77°F)

## SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical Stability:** Stable under normal circumstances.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

**Conditions to Avoid:** High temperatures, sparks, open flames and all other sources of ignition. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

**Materials to Avoid:** Strong oxidizing agents, Lewis or mineral acids, Reducing agents, Strong bases.

**Hazardous Decomposition or Combustion Products:** Thermal decomposition products are toxic and may include oxides of carbon and irritating gases.

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**Decomposes in Presence of:** Thermal decomposition may occur above 200°C /392°F; spontaneous combustion may occur at ambient temperature.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure:

Inhalation       Skin Contact       Eye Contact       Ingestion

### Acute Toxicity:

**LD<sub>50</sub>** (oral): Isopropyl Alcohol 7060mg/kg      N,N-Diethyl-m-toluamide 1892 mg/kg

**LD<sub>50</sub> Dermal:** Isopropyl Alcohol - N/A      N,N-Diethyl-m-toluamide 5 g/kg (rat) 3180 ul/kg (rabbit)

**LC<sub>50</sub>:** Isopropyl Alcohol 124.7 mg/L (rat) 4h

**Skin Corrosion/Irritation:** N/A

**Serious Eye Damage/Irritation:** Mild eye irritation

**STOT (Specific Target Organ Toxicity) – Single Exposure:** N/A

**Aspiration Hazard:** N/A

**STOT (Specific Target Organ Toxicity) – Repeated Exposure:** N/A

**Respiratory and/or Skin Sensitization:** N/A

**Carcinogenicity:** N/A

**Reproductive Toxicity:** N/A

**Development of Offspring:** N/A

**Sexual Function and Fertility:** N/A

**Effects on or via Lactation:** N/A

**Germ Cell:** N/A

**Mutagenicity:** N/A

**Interactive Effects:** N/A

<b>SECTION 12 – ECOLOGICAL INFORMATION</b>
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**Toxicity:** The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

**Environmental Fate:** Not available. Aromatic hydrocarbons may be bioaccumulative but they have no food chain concentration potential. Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.

**Biodegradation:** Biodegrades slowly in the presence of oxygen (rate unknown); much faster in acclimated (polluted) water than pristine water (should be under 30 days in sewage treatment facility).

**Abiotic Degradation:** Reacts with atmospheric hydroxyl radicals; estimated 1/2-life in air less than one day.

**Toxicity to fish:**

Components	End point	Species	Value	Exposure time
Mineral Spirits	LC50	Pimephales promelas (fathead minnow)	45 mg/l (emulsified) 18-20 mg/l (water soluble)	96h
Glycol Ether EB	LC50	Lepomis macrochirus (bluegill)  Menidia beryllina (inland silverside)	1490 & 2950 mg/l (bluegill)  1250 mg/l (inland silverside)	96h

**Toxicity to aquatic invertebrates**

Components	End Point	Species	Value	Exposure time
Mineral Spirits	LC50	Daphnia magna (water flea)	1.4, 1.9, 3-10, 21 & 40-89 mg/l	48h
Glycol Ether EB	EC50	Daphnia magna (water flea)	1700-1940 & 5000 mg/l	24h



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		Crangon crangon (brown shrimp)	550-1000 mg/l	48h
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### Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Mineral Spirits	LC50	Pseudokirchnerella subcapitata (microalgae)	1-3, 4.3, 5.0, 8.3 & 10-30 mg/l	72h
Glycol Ether EB	Growth Inhibition	Microcistis aeruginosa (cyanobacteria)	35 mg/l	Not known (normally 72h)
		Scenedesmus quadricauda (green algae)	900mg/l	Not known (normally 72h)

### Toxicity to bacteria

Components	End point	Species	Value	Exposure time
Mineral Spirits	LC50	Tetrahymena pyriformis – computer estimate	678 mg/l	Not known
Glycol Ether EB	Cell Multiplication	Chilomonas paramecium	911 mg/l	Not known
		Pseudomonas putida	700 mg/l	Not known

### Persistence and degradability

Component	Biodegradation	Expose Time	Summary
Mineral Spirits	Biodegrades slowly in the presence of oxygen (rate	should be under 30 days in sewage treatment facility	biodegradable

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	unknown); much faster in acclimated (polluted) water than pristine water		
Glycol Ether EB	biodegrades readily & rapidly in the presence of oxygen; 75%-100%	5-28 days	Readily biodegradable

### Bioaccumulative Potential

Components	Bioconcentration Factor (BCF)	Partition Coefficient, Octanol/Water (Log Pow)
Mineral Spirits	Bioconcentration potential is moderate; 100-3000	3.16 - 7.15
Glycol Ether EB	Bioconcentration potential is low; rapidly eliminated from the body, cannot bioaccumulate; biological ½-life <48hr	0.81-0.83

**Mobility in Soil, Water:** Water insoluble; low soil mobility; absorbs to soil helping it remain stationary.

**Other Adverse Effects:** None Known

## SECTION 12 – DISPOSAL CONSIDERATIONS

**Deactivating Chemicals:** None required.

**Waste Disposal Methods:** This information applies to the material as manufactured. Reevaluation of the product may be required by the user at the time of disposal since the product uses, transformations, mixtures and processes may influence waste classification. Dispose of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems.

**Safe Handling of Residues:** See Waste Disposal Methods above.

**Disposal of Packaging:** Empty containers retain product residue and can be dangerous. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner. Do not expose such containers to heat, flame, sparks, static electricity, or other sources

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of ignition; they may explode and cause injury or death. Do not dispose of package until thoroughly washed out

## **SECTION 14 – TRANSPORT INFORMATION**

### **CANADIAN TDG ACT SHIPPING DESCRIPTION:**

PETROLEUM DISTILLATES, N.O.S. (Mineral Spirits), Class 3, UN1268, PG III.

Label(s): Flammable Liquids. Placard: Flammable Liquids.

ERAP Index: -----. Exemptions: This product is not regulated in container sizes less than 450 L.

May also be shipped / labelled as: PETROLEUM PRODUCTS, N.O.S., Class 3, UN1268, PG III.

### **US DOT CLASSIFICATION (49CFR 172.101, 172.102):**

PETROLEUM DISTILLATES, N.O.S. (Mineral Spirits), Class 3, UN1268, PG III.

Label(s): Flammable Liquid. Placard: Flammable Liquid.

CERCLA-RQ: Not available. Exemptions: This product is not regulated in container sizes less than 450 L.

May also be shipped / labelled as: PETROLEUM PRODUCTS, N.O.S., Class 3, UN1268, PG III

## **SECTION 15 – REGULATORY INFORMATION**

### **CANADA**

CEPA - NSNR: Components of this product are included on the DSL under the CEPA.

CEPA - NPRI: Solvent naphtha medium aliphatic. Stoddard Solvent. 1,2,4-Trimethyl Benzene. Xylene. Ethyl benzene. Naphthalene.

Controlled Products Regulations Classification (WHMIS):

B-3: Combustible Liquid

D-2A: Very Toxic (carcinogen, mutagen)

D-2A: Very Toxic (embryotoxin)

D-2B: Toxic (skin and eye irritant)

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### USA

Environmental Protection Act: Components of this product are included on the TSCA inventory.

OSHA HCS (29CFR 1910.1200): Combustible Liquid, Skin and Eye Irritant.

NFPA: 1 Health, 2 Fire, 0 Reactivity (4)

HMIS: 1 Health, 2 Fire, 0 Reactivity (3)

### EUROPE

Classification: Harmful

Europe Risk Phrases R: 20/21/22, 36/38 - Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin.

Europe Safety Phrases S: 36/37, 46 – Wear suitable protective clothing and gloves. If swallowed, seek medical advice immediately.

### INTERNATIONAL

None known.

## **SECTION 16 – OTHER INFORMATION**

**Date of Latest Revision: March 14, 2017**

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.