

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Big Red Grease**

Other means of identification : F01417

Recommended use of the chemical and restrictions on use

: Grease.
Restrictions on use: None known.

Chemical family

: Mixture of: Base oil; Petroleum hydrocarbon; Surfactants

Name, address, and telephone number of the manufacturer:

FPPF Chemical Company, Inc.
100 Dingens St.
Buffalo, NY, USA 14206

Name, address, and telephone number of the supplier:

Refer to manufacturer

Manufacturer's Telephone # : 1-800-735-3773

24 Hr. Emergency Tel # : PERS: North America 1-800-633-8253; International: +1-801-629-0667
Contract number: 8027

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Red colored liquid, contained in pressurized aerosol can. Solvent odor.

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). Classification:

- Flammable aerosol - Category 2
- Gases under pressure
- Aspiration toxicity -Category 1
- Skin corrosion/irritation - Category 2
- Eye damage/irritation -Category 2A
- Reproductive toxicity - Category 2
- Specific target organ ootoxicity, single exposure - Category 3 (narcotic effects)
- Specific target organ toxicity, single exposure - Category 3 (respiratory)

Label elements

Hazard pictogram(s)



Signal Word

DANGER!

Hazard statement(s)

- Flammable aerosol.
- Contains gas under pressure; may explode if heated.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- Causes serious eye irritation.
- Suspected of damaging the unborn child.
- May cause drowsiness or dizziness.
- May cause respiratory irritation.

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Precautionary statement(s)

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking.
 Do not spray on an open flame or other ignition source.
 Do not pierce or burn, even after use.
 Avoid breathing mist or vapor.
 Wash exposed skin thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/clothing and eye/face protection.

IF exposed or concerned: Get medical advice/attention.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
 IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
 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 advice/attention.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification:

Toxic fumes may be released during a fire. Direct eye contact may cause slight or mild, transient irritation. Mild respiratory irritant. May cause gastrointestinal irritation. Prolonged overexposure may cause slight liver effects, such as increased organ weights.

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>
Distillates (petroleum), hydrotreated heavy naphthenic	Mineral oil Base oil	64742-52-5	30.0 - 60.0
Naphtha (petroleum), hydrotreated light	Aliphatic naphtha Aliphatic hydrocarbon Commercial heptane	64742-49-0	15.0 - 40.0
Liquefied petroleum gases	Propane-Isobutane mixture L.P.G.	68476-86-8	10.0 - 30.0
Acetone	2-Propanone Methyl ketone	67-64-1	10.0 - 30.0
Residual oils, petroleum, hydrotreated	Hydrotreated residual oil (petroleum)	64742-57-0	3.0 - 7.0
Xylene	Dimethylbenzene; Methyltoluene; Xylol	1330-20-7	0.1 - 1.0

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 : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

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- Inhalation* : IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Call a POISON CENTER or doctor/physician if you feel unwell.
- Skin contact* : IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before re-use.
- Eye contact* : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Flush eyes with 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 fatal if swallowed and enters airways. Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.
- Causes skin irritation. Symptoms may include redness, itching and swelling.
- Inhalation may cause headache, nausea and central nervous effects such as dizziness, coordination difficulties and unconsciousness.
- May cause respiratory irritation.. Symptoms may include coughing and sneezing.
- Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis.
- Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Prolonged overexposure may cause slight liver effects, such as increased organ weights.

Indication of any immediate medical attention and special treatment needed

- : Immediate medical attention is required. Product may present an aspiration hazard, if ingested in large amounts, causing life-threatening lung injury. Provide general supportive measures and treat symptomatically. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

- : Dry chemical, foam, carbon dioxide and water fog.

Unsuitable extinguishing media

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

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

- : Flammable aerosol. May be ignited by open flames and sparks. This product is contained under pressure, and could explode when exposed to heat and flame. Vapours may be heavier than air and may collect in confined and low-lying areas. Material will float on water and can be re-ignited at the water's surface. Toxic fumes, gases or vapours may evolve on burning.

Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Aerosols - Category 2

Hazardous combustion products

- : None known or reported by the manufacturer.

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. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire-fighting procedures

- : Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Shield personnel to protect from venting or rupturing containers. 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

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- : Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Wear appropriate protective equipment. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Prevent product from entering drains, sewers, waterways and soil. Avoid release to the environment.

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. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.
Refer to Section 13 for disposal of contaminated material.

Special spill response procedures

- : No information available.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Use only outdoors or in a well-ventilated area. Wear suitable protective equipment during handling. Wear protective gloves. Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Keep away from incompatibles. Always replace cap after use. Wash thoroughly after handling.

Conditions for safe storage : Store in a cool, dry, well-ventilated area. Store locked up. 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 in the area. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Keep away from incompatibles.

Incompatible materials : None known or reported by the manufacturer.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Distillates (petroleum), hydrotreated heavy naphthenic	5 mg/m ³ (As 'Oil mist, mineral') (inhalable)	N/Av	5 mg/m ³ (As 'Oil mist, mineral')	N/Av
Naphtha (petroleum), hydrotreated light	N/Av	N/Av	N/Av	N/Av
Liquefied petroleum gases	1000 ppm (as 'Butane, all isomers')	N/Av	1000 ppm (1800 mg/m ³) (as Propane)	N/Av
Acetone	250 ppm	500 ppm	1000 ppm (2400 mg/m ³)	N/Av
Residual oils, petroleum, hydrotreated	N/Av	N/Av	N/Av	N/Av
Xylene	100 ppm	150 ppm	100 ppm (435 mg/m ³)	N/Av

Exposure controls

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Ventilation and engineering measures

: Use only outdoors or in a well-ventilated area. 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. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection : If airbourne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Refer to CSA Z94.3 or other appropriate standards. Advice should be sought from respiratory protection specialists.

Skin protection : Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Depending on conditions of use, an impervious apron should be worn. Wear sufficient clothing to prevent skin contact.

Eye / face protection : Wear as appropriate: Safety glasses with side shields ;Tightly fitting safety 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.

General hygiene considerations

: Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Yellow liquid, contained in a pressurized aerosol can.

Odour : Petroleum odour.

Odour threshold : N/Av

pH : N/Av

Melting Point/Freezing point : Melting point: N/Av
Freezing point: N/Av

Initial boiling point and boiling range

: 175°C (347°F) (concentrate)

Flash point : 48.9°C (120°F) (concentrate)

Flashpoint (Method) : N/Av

Evaporation rate (BuAe = 1) : N/Av

Flammability (solid, gas) : Not applicable.

Lower flammable limit (% by vol.)

: 0.7% (estimation)

Upper flammable limit (% by vol.)

: 5% (estimation)

Oxidizing properties : No oxidizing properties.

Explosive properties : Aerosols are sensitive to mechanical impact. Closed containers are contained under pressure and may explode if exposed to excess heat for a prolonged period of time.

Vapour pressure : 0.64 hPa (estimated)

Vapour density : N/Av

Relative density / Specific gravity

: Relative density: 859 kg/m³
Specific Gravity: 0.86

Solubility in water : Emulsifies

Other solubility(ies) : N/Av

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

: N/Av

Auto-ignition temperature : 210°C (410°F) (estimation)

Decomposition temperature : N/Av

Viscosity : 30 cSt @ 25°C (77°F)

Volatiles (% by weight) : < 23%

Volatile organic Compounds (VOC's)

: N/Av

Absolute pressure of container

: N/Av

Flame projection length : > 15 cm, < 73.7 cm (> 5.91", < 29")

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Other physical/chemical comments

: Chemical heat of combustion: 34 kJ/g (estimated)

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions

: Hazardous polymerization does not occur. No dangerous reaction known under conditions of normal use.

Conditions to avoid : Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials. Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

Incompatible materials : None known or reported by the manufacturer. See Section 7 (Handling and Storage) for further details.

Hazardous decomposition products

: None known or reported by the manufacturer. See Section 5 (Fire Fighting Measures).

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

: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: Mild respiratory irritant. May cause coughing and breathing difficulties. May cause central nervous system effects. Symptoms may include nausea, vomiting, dizziness, drowsiness and other symptoms of central nervous system depression. In extremely high concentrations, product may act as an asphyxiant and cause increased breathing and pulse rates, fatigue and unconsciousness.

Sign and symptoms ingestion

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

Sign and symptoms skin

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

Sign and symptoms eyes

: Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis.

Potential Chronic Health Effects

: Prolonged overexposure may cause slight liver effects, such as increased organ weights.

Mutagenicity

: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

: Not classifiable as a human carcinogen, based on currently available data. Contains the following chemicals listed as confirmed animal carcinogens (A3) by ACGIH: Kerosene. No other components are classified as carcinogenic by IARC, ACGIH, OSHA or NTP.

Reproductive effects & Teratogenicity

: 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). Classification: Reproductive toxicity - Category 2 Suspected of damaging the unborn child.

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- Sensitization to material** : No data available to indicate product or components may be respiratory sensitizers. No data available to indicate product or components may be skin sensitizers.
- Specific target organ effects** : 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). Classification:
Specific target organ toxicity, single exposure - Category 3. May cause drowsiness or dizziness.
- Specific target organ toxicity, single exposure - Category 3 (respiratory) May cause respiratory irritation.
- Medical conditions aggravated by overexposure** : Pre-existing skin, eye, respiratory and central nervous system disorders.
- Synergistic materials** : None known or reported by the manufacturer.
- Toxicological data** : Not classified for acute toxicity based on available data. No data is available on the product itself.
See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Distillates (petroleum), hydrotreated heavy naphthenic	> 5 mg/L (mist)	> 5000 mg/kg	> 2000 mg/kg
Naphtha (petroleum), hydrotreated light	33 - 42 mg/L (vapour)	> 5800 mg/kg	> 2920 mg/kg (No mortality)
Liquefied petroleum gases	276 000 ppm (Butane)	N/Av (gas)	N/Av (gas)
Acetone	30 000 ppm (71 mg/L) (vapour)	5800 mg/kg	> 15 800 mg/kg
Residual oils, petroleum, hydrotreated	N/Av	N/Av	N/Av
Xylene	6350 ppm (27.6 mg/L) (vapour)	3253 mg/kg	12 180 mg/kg

Other important toxicological hazards

- : CNS depression may result from extreme exposures.

SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity** : Toxic to aquatic life with long lasting effects. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. No data is available on the product itself. The product contains the following substances which are hazardous for the environment: Kerosene.
See the following tables for individual ingredient 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>
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 100 mg/L (Fathead minnow)	N/Av	None.
Naphtha (petroleum), hydrotreated light	64742-49-0	4.1 mg/L (Fathead minnow)	N/Av	None.
Liquefied petroleum gases	68476-86-8	N/Av	N/Av	N/Av
Acetone	67-64-1	6210 mg/L (Fathead minnow)	N/Av	None.
Residual oils, petroleum, hydrotreated	64742-57-0	N/Av	N/Av	N/Av
Xylene	1330-20-7	8.2 mg/L (Rainbow trout)	N/Av	None.

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<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 10 000 mg/L (Daphnia magna)	10 mg/L	None.
Naphtha (petroleum), hydrotreated light	64742-49-0	10 mg/L (Daphnia magna)	2.6 mg/L	None.
Liquefied petroleum gases	68476-86-8	N/Ap	N/Ap	N/Ap
Acetone	67-64-1	15 800 mg/L (Daphnia magna)	1660 mg/L	None.
Residual oils, petroleum, hydrotreated	64742-57-0	N/Av	N/Av	N/Av
Xylene	1330-20-7	3.2 - 9.56 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	> 1000 mg/L/96hr (Green algae)	≥ 100 mg/L/72hr	None.
Naphtha (petroleum), hydrotreated light	64742-49-0	11 mg/L/72hr (Green algae)	0.1 mg/L/72hr	None.
Liquefied petroleum gases	68476-86-8	N/Ap	N/Ap	N/Ap
Acetone	67-64-1	7000 mg/L/96hr (Green algae)	N/Av	None.
Residual oils, petroleum, hydrotreated	64742-57-0	N/Av	N/Av	N/Av
Xylene	1330-20-7	3.2 - 4.9 mg/L/72hr (Green algae)	N/Av	None.

Persistence and degradability

- : No data is available on the product itself.
- Contains the following chemicals which are considered to be inherently biodegradable: Distillates (petroleum), hydrotreated heavy naphthenic; Kerosene.
- Contains the following chemicals which are not readily biodegradable: Polyoxyethylene Sorbitol Hexaoleate.

Bioaccumulation potential

- : No data is available on the product itself. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	3.9 - 6 (calculated)	N/Av
Naphtha (petroleum), hydrotreated light (CAS 64742-49-0)	3.6 - 5.7	105 - 1216 (calculated)
Liquefied petroleum gases (CAS 68476-86-8)	2.89 (Butane)	33 (Butane)
Acetone (CAS 67-64-1)	0.24	0.65 (Fish)
Xylene (CAS 1330-20-7)	3.12 - 3.2	50 - 58

Mobility in soil

- : No data is available on the product itself.

Other Adverse Environmental effects



- : No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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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.
This material and its container must be disposed of in a safe way. Empty containers retain residue and can be dangerous. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
- Methods of Disposal** : Dispose of in accordance with federal, provincial and local hazardous waste laws.
- RCRA** : Under the RCRA, it is the responsibility of the waste generator to determine the proper waste identification and disposal method.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN1950	AEROSOLS	2.1	none	
TDG Additional information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass. Under the TDG, refer to Section 1.17 for additional exemption requirements, if shipping under this exemption.				
49CFR/DOT	None	Limited Quantity	New LTD QTY	none	
49CFR/DOT Additional information	May be shipped as LIMITED QUANTITY when transported in containers no larger than 1.0 Litre, in packages not exceeding 30 kg gross mass.				

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 Section 12 for more environmental information.

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

: Not applicable.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

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

<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
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	NL	None.	None.	No	N/Ap
Naphtha (petroleum), hydrotreated light	64742-49-0	Yes	None.	None.	No	N/Ap
Liquefied petroleum gases	68476-86-8	Yes	None.	None.	No	N/Ap
Acetone	67-64-1	Yes	5000 lb/ 2270 kg	None.	No	N/Ap
Residual oils, petroleum, hydrotreated	64742-57-0	Yes	N/Ap	N/Av	No	N/Ap
Xylene	1330-20-7	Yes	100 lbs / 45.4 kg	None.	Yes	1%

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SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Physical hazards (Flammable; Gas Under Pressure) Health hazards (Aspiration hazard ; Skin irritation ; Eye irritation ; Reproductive toxicity ; Specific target organ toxicity, single exposure). 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
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	No	N/Ap	No	No	No	No	No	No
Naphtha (petroleum), hydrotreated light	64742-49-0	No	N/Ap	No	No	No	No	No	No
Liquefied petroleum gases	68476-86-8	No	N/Ap	No	No	No	No	No	No
Acetone	67-64-1	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Residual oils, petroleum, hydrotreated	64742-57-0	No	N/Ap	No	No	No	No	No	No
Xylene	1330-20-7	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS Classification: See Section 2.

International Information:

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

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<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	265-155-0	Present	Present	(9)-1689	KE-12543	Present	May be used as a single component chemical under an appropriate group standard.
Naphtha (petroleum), hydrotreated light	64742-49-0	265-151-9	Present	Present	(9)-1689	KE-25623	Present	May be used as a single component chemical under an appropriate group standard.
Liquefied petroleum gases	68476-86-8	270-705-8	Present	Present	Not listed	KE-28192	Present	May be used as a component in a product covered by a group standard, but is not approved for use as a chemical in its own right.
Acetone	67-64-1	200-662-2	Present	Present	(2)-542	KE-29367	Present	HSR001070
Residual oils, petroleum, hydrotreated	64742-57-0	265-160-8	Present	Present	(9)-1689	KE-30119	Present	May be used as a single component chemical under an appropriate group standard.
Xylene	1330-20-7	215-535-7	Present	Present	(3)-60; (3)-3	KE-35427	Present	HSR000983

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
 AICS: Australian Inventory of Chemical Substances
 CAS: Chemical Abstract Services
 CSA: Canadian Standards Association
 EC50: Effective Concentration 50%
 EINECS: European Inventory of Existing Commercial chemical Substances
 ENCS: Existing and New Chemical Substances
 HSDB: Hazardous Substances Data Bank
 IARC: International Agency for Research on Cancer
 IECSC: Inventory of Existing Chemical Substances
 IMDG: International Maritime Dangerous Goods
 Inh: Inhalation
 IOC: Inventory of Chemicals
 KECI: Korean Existing Chemicals Inventory
 KECL: Korean Existing Chemicals List
 LC: Lethal Concentration
 LD: Lethal Dose
 N/Ap: Not Applicable
 N/Av: Not Available
 NIOSH: National Institute of Occupational Safety and Health
 NOEC: No observable effect concentration
 NTP: National Toxicology Program
 OECD: Organisation for Economic Co-operation and Development
 OSHA: Occupational Safety and Health Administration
 PEL: Permissible exposure limit
 PICCS: Philippine Inventory of Chemicals and Chemical Substances
 RTECS: Registry of Toxic Effects of Chemical Substances

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SCBA: Self-Contained Breathing Apparatus
 STEL: Short Term Exposure Limit
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations
 TLV: Threshold Limit Values
 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 2018.
- 2. International Agency for Research on Cancer Monographs, searched 2018.
- 3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, 2018 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheets from manufacturer.
- 5. US EPA Title III List of Lists - March 2015 version.
- 6. California Proposition 65 List - November 23, 2018 version.
- 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2018.

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Other special considerations for handling

: Provide adequate information, instruction and training for operators.

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