

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

**Product identifier**

**Product Name:** OIL SYSTEM CLEANER

**Other means of identification**

**Common Name:** 4300  
**UN/ID No** NA1993  
**Synonyms** None  
**Product Categories** Petroleum based cleaner

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

**Sale and Use Restrictions** Not applicable  
**Recommended Use** Restricted to professional users.  
**Uses advised against** Consumer use

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

**Supplier Address**  
 ACEL, LLC.  
 6826 Hill Park Dr. Suite #100  
 Lorton, VA 22079

**Emergency telephone number**

**Company Phone Number** ACEL, LLC. (888) 801-2507  
**Emergency Telephone** CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**


Acute toxicity - Inhalation (Vapors)	Category 4
Aspiration toxicity	Category 1
Flammable liquids	Category 4

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**  
 Harmful if inhaled  
 May be fatal if swallowed and enters airways  
 Combustible liquid



**Appearance** Mobile **Physical state** Liquid **Odor** Solvent

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Wear protective gloves/protective clothing/eye protection/face protection

#### Precautionary Statements - Response

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CONTROL CENTER or doctor/physician if you feel unwell  
 IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician  
 Do not induce vomiting  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

#### Precautionary Statements - Storage

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

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

##### Other information

- May be harmful if swallowed
- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	Trade Secret
Mineral Oil	64742-58-1	0-60	*
Hydrotreated Heavy Paraffinic Oil	64742-54-7	0-60	*
Aliphatic Petroleum Distillates	64742-65-0	0-60	*
Hydrotreated Light Petroleum Distillates	64742-47-8	40-50	*
9-Octadecenoic Acid	112-80-1	1-5	*
Dipropylene Glycol Methyl Ether	34590-94-8	1-3	*

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

### 4. FIRST AID MEASURES

#### First aid measures

##### Skin contact

Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. Thoroughly clean shoes before reuse. Call a physician if irritation develops and persists.

##### Inhalation

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Call a POISON CONTROL CENTER or doctor/physician if you feel unwell.

##### Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. Check for and remove any contact lenses. Continue to rinse for at least ten minutes. Call a physician.

##### Ingestion

Do not induce vomiting. Call a physician or Poison Control Center immediately.

##### Notes to Physician

Aspiration hazard if swallowed - can enter lungs and cause damage.

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

**Symptoms** Drowsiness, Dizziness, Headache, Nausea, Skin irritation, Skin burns, Eye irritation.

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

**Self-protection of the first aider** It may be dangerous to the person providing first aid to give mouth-to-mouth resuscitation.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>).

**Small Fire** Alcohol resistant foam, Dry chemical or CO<sub>2</sub>.

**Large Fire** Water spray or fog, Alcohol resistant foam.

**Explosive properties:** May form explosive mixtures in presence of oxidizing substances (gas/dust). May form explosive peroxides.

**Specific hazards arising from the chemical**

Vapors may travel to areas away from work site before igniting/flashing back to vapor source. May be ignited by heat, sparks or flames.

**Hazardous combustion products** Aldehydes, Hydrocarbons, Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Oxides of sulfur, Alkyl Mercaptans, Hydrogen sulfide.

**Specific methods:**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** May be ignited by heat, sparks or flames.

**Special firefighting procedures:**

Combustible liquid. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water mist may be used to cool closed containers. Avoid spreading burning liquid with water used for cooling purposes. Water may cause frothing of heated materials.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions:** Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback. Ensure adequate ventilation. Use personal protective equipment: See Section 8 for information on appropriate personal protective equipment.

**For emergency responders** Use personal protection recommended in Section 8. Ventilate the area. Remove all sources of ignition. Pay attention to flashback. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

**Environmental precautions**

**Environmental precautions:** Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

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

**Methods for Containment** Ventilate the area. Remove all sources of ignition. Stop leak if you can do it without risk. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**Methods for clean-up:** Clean-up methods - small spillage: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean-up methods - large spillage: Dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Avoid contact of spilled material with soil and prevent runoff entering surface waterways. Contain and collect spillage with

non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to state, local, federal regulations.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling:** Protect from physical damage. Do not store at temperatures above 120°F (50°C). Avoid breathing vapors or mists. Keep product and empty container away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Empty containers retain product residue and can be hazardous.

### Conditions for safe storage, including any incompatibilities

**Technical measures/precautions:** Ensure adequate ventilation. Recommended Use: Local exhaust. Eye wash and safety shower should be easily accessible.

**Materials to avoid:** Chlorine, Strong oxidizing agents, Strong acids, Alkalis.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Components	ACGIH TLV	OSHA Exposure Limits:	NIOSH IDLH
Mineral Oil 64742-58-1	5 mg/m <sup>3</sup> (mist)	5 mg/m <sup>3</sup> (mist)	-
Hydrotreated Heavy Paraffinic Oil 64742-54-7	5 mg/m <sup>3</sup> TWA (mist) 10 mg/m <sup>3</sup> STEL (mist)	5 mg/m <sup>3</sup>	-
Aliphatic Petroleum Distillates 64742-65-0	-	Not established	-
Hydrotreated Light Petroleum Distillates 64742-47-8	TWA: 200 ppm	TWA: 500 ppm	-
9-Octadecenoic Acid 112-80-1	-	Not established	-
Dipropylene Glycol Methyl Ether 34590-94-8	S* STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 600 mg/m <sup>3</sup>	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m <sup>3</sup> STEL: 150 ppm STEL: 900 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering measures:** Ensure adequate ventilation. Recommended Use: Local exhaust. Eye wash and safety shower should be easily accessible.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear normal work clothing, Chemical resistant gloves. (consult with the specific manufacturer to confirm performance).

**Respiratory protection** Not required under normal use. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. When using do not

eat, drink or smoke. Use personal protective equipment as required. Avoid contact with skin and clothing. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing and wash it before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Solvent
<b>Appearance</b>	Mobile	<b>Odor threshold</b>	No information available
<b>Color</b>	Light Amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	N/A	Not applicable
<b>Melting point/freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	> 190 °C / 374 °F	
<b>Flash point</b>	90 °C / 194 °F	Pensky-Martens Closed Cup (PMCC)
<b>Evaporation rate</b>	Slower than ether	Slower than ether
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No Data Available	
<b>Lower flammability limit</b>	No Data Available	
<b>Vapor pressure</b>	No Data Available	
<b>Vapor density</b>	Heavier than air	
<b>Specific Gravity</b>	0.83	
<b>Water solubility</b>	Insoluble in water	
<b>Solubility in other solvents</b>	No Data Available	
<b>Partition coefficient</b>	No Data Available	
<b>Autoignition temperature</b>	No Data Available	
<b>Decomposition temperature</b>	No Data Available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No Data Available	
<b>Explosive properties</b>	No Data Available	
<b>Oxidizing properties</b>	No Data Available	

### Other information

<b>Softening point</b>	No Data Available
<b>Molecular weight</b>	No Data Available
<b>VOC Content (%)</b>	
<b>VOC Content (%)</b>	44.0
<b>Density</b>	0.83 g/cc
<b>Bulk density</b>	No Data Available

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactivity           Stable.

### Chemical stability

**Possibility of Hazardous Reactions**   May react with oxidizing agents  
**Hazardous polymerization**           Hazardous polymerization does not occur.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

**Materials to avoid:**                   Chlorine, Strong oxidizing agents, Strong acids, Alkalis.

### Hazardous Decomposition Products

**Hazardous Decomposition Products** Aldehydes, Hydrocarbons, Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Sulfur oxides (SO<sub>x</sub>), Alkyl Mercaptans, Hydrogen sulfide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Harmful if inhaled. May be fatal if swallowed and enters airways.
<b>Inhalation</b>	Harmful if inhaled. Avoid breathing vapors or mists.
<b>Eye contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	Harmful in contact with skin: May cause irritation.
<b>Ingestion</b>	Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Mineral Oil 64742-58-1	> 2000 mg/kg ( Rat )	> 4480 mg/kg ( Rabbit )	-
Hydrotreated Heavy Paraffinic Oil 64742-54-7	>5000mg/kg (Rat)	>5000 mg/kg (Rabbit)	-
Aliphatic Petroleum Distillates 64742-65-0	-	-	-
Hydrotreated Light Petroleum Distillates 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
9-Octadecenoic Acid 112-80-1	= 25 g/kg ( Rat ) > 5000 mg/kg ( Rat )	-	-
Dipropylene Glycol Methyl Ether 34590-94-8	= 5400 µL/kg ( Rat )	= 9500 mg/kg ( Rabbit )	-

### Information on toxicological effects

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

<b>Sensitization</b>	Skin Sensitization, Respiratory Sensitization: Not classified.
<b>Mutagenic effects:</b>	No data available to indicate product or any components present at or greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by IARC, NTP, or OSHA.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Chronic toxicity</b>	Prolonged skin contact may defat the skin and produce dermatitis.
<b>Subchronic toxicity</b>	No information available.
<b>Target Organ Effects</b>	Liver, Kidney; Spleen, Thymus, Central nervous system.
<b>Neurological effects</b>	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
<b>Other adverse effects</b>	Stomach irregularities: Based on human evidence.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

#### Numerical measures of toxicity - Product Information

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

<b>ATEmix (oral)</b>	2609 mg/kg
<b>ATEmix (dermal)</b>	3068 mg/kg
<b>ATEmix (inhalation-vapor)</b>	12.4 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

1.74 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Components	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Mineral Oil 64742-58-1		79.6: 96 h Brachydanio rerio mg/L LC50 semi-static 3.2: 96 h Pimephales promelas mg/L LC50 semi-static		
Hydrotreated Heavy Paraffinic Oil 64742-54-7		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Aliphatic Petroleum Distillates 64742-65-0		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Hydrotreated Light Petroleum Distillates 64742-47-8		45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static		
9-Octadecenoic Acid 112-80-1		205: 96 h Pimephales promelas mg/L LC50 static		
Dipropylene Glycol Methyl Ether 34590-94-8		10000: 96 h Pimephales promelas mg/L LC50 static		1919: 48 h Daphnia magna mg/L LC50

#### Persistence and degradability

NOT READILY BIODEGRADABLE.

#### Bioaccumulation

Bioaccumulative potential.

#### Mobility

The product is insoluble and floats on water.

Components	Partition coefficient
9-Octadecenoic Acid 112-80-1	5.24-7.18 (QSAR)
Dipropylene Glycol Methyl Ether 34590-94-8	1.01

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

##### Disposal of wastes

Dispose of in accordance with federal, state and local regulations.

##### Contaminated packaging

Do not reuse container. Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

#### DOT

UNID No NA1993  
 Proper Shipping Name: Combustible liquids, n.o.s. (Petroleum Distillates, Glycol Methyl Ether)  
 Hazard Class COMB. LIQ.  
 Packing Group: III  
 Emergency Response Guide Number 128

#### IATA

Not regulated

**IMDG** Not regulated

**Limited quantity (LQ)** < 5 Liters

## 15. REGULATORY INFORMATION

### International Inventories

#### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*

### Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### State Regulations (RTK)

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

#### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION

#### NFPA Rating

**Health hazards** 2

**Flammability** 2

**Instability** 0

**Physical and Chemical Properties** -

#### HMIS Rating

**Health hazards** 2\*

**Flammability** 2

**Physical hazards** 0

**Personal protection** B

*Chronic Hazard Star Legend*

\* = Chronic Health Hazard



**Prepared by** Environmental Health and Safety Department

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**Revision Note**

This data sheet contains changes from the previous version in section(s): 3,4, 5, 6, 7, 8, 11

**Disclaimer**

The information provided in this Material 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**