

CS458

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SECTION 1. IDENTIFICATION

Product identifier used on the label

: **CS458**

Product Code(s) : Not available.

Recommended use of the chemical and restrictions on use

: Degreaser
Use pattern: Professional Use Only
Recommended restrictions: None Known.

Chemical family : Mixture

Name, address, and telephone number
of the supplier:

CEDA Industrial Services LP

2130 121 Avenue NE
Edmonton, AB,
T6S 1B1

Supplier's Telephone # : 780-472-6766

24 Hr. Emergency Tel # : 780-472-6766

Name, address, and telephone number of
the manufacturer:

Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear orange liquid. Aromatic odour.

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).

Hazard classification:

Flammable Liquid - Category 4

Skin Irritation - Category 2

Serious eye damage/eye irritation - Category 1

Aspiration Toxicity - Category 1

Label elements

Hazard pictogram(s)



Signal Word

DANGER!

Hazard statement(s)

Combustible liquid.
Causes skin irritation.
Causes serious eye damage.
May be fatal if swallowed and enters airways.



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Precautionary statement(s)

Keep away from flames and hot surfaces. - No smoking.
Wash hands after handling.
Wear protective gloves/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTRE or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.
In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam to extinguish.

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

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Inhalation of high concentrations may cause dizziness, disorientation, incoordination, narcosis, nausea or narcotic effects.

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 light catalytic cracked	Distillates (petroleum), hydrotreated light catalytic cracked	68921-07-3	35.0 - 40.0
Benzenesulfonic acid, C10-16-alkyl derivatives, compounds with 2-Propanamine	Benzenesulfonic acid, C10-16-alkyl derivs., compds. with 2-propanamine	68584-24-7	35.0 - 40.0
Dipropylene glycol monomethyl ether	DPGME	34590-94-8	15.0 - 18.0

The % concentrations for the above listed chemicals will vary from batch to batch. Concentrations listed represent the actual concentration range for each chemical.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : Do NOT induce vomiting. Have victim rinse mouth with water, then give one to two glasses of water to drink. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.
- Inhalation* : If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Obtain medical attention if symptoms develop and persist.
- Skin contact* : Flush skin with large amounts of water. If irritation or symptoms develop, seek medical attention.
- Eye contact* : Flush eyes with water for at least 20 minutes. Call a physician if irritation persists.

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Most important symptoms and effects, both acute and delayed

- : Causes serious eye damage. Symptoms may include redness, pain, tearing and conjunctivitis. Permanent eye damage including blindness could result. Causes skin irritation. Symptoms may include redness, itching and swelling. Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Inhalation of high concentrations may cause dizziness, disorientation, incoordination, narcosis, nausea or narcotic effects. Ingestion may cause irritation of the mouth, throat and stomach.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically. Aspiration hazard.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

- : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Unsuitable extinguishing media

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

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

- : Combustible liquid. Burning may produce irritating, toxic and obnoxious fumes. Vapours may be heavier than air and may collect in confined and low-lying areas.

Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquid - Category 4

Hazardous combustion products

- : May form toxic materials, such as carbon dioxide, carbon monoxide, various hydrocarbons, nitrogen compounds, etc. when burned.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

- : 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

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Wear suitable protective equipment. Refer to protective measures listed in sections 7 and 8. Restrict access to area until completion of clean-up.

Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Methods and material for containment and cleaning up

- : Ventilate area of release. Stop spill or leak at source if safely possible. Dike for water control. Use only non-sparking tools. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

Special spill response procedures

- : Contact appropriate local and provincial environmental authorities for assistance and/or reporting requirements.
US CERCLA Reportable quantity (RQ): See section 15.



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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Use only outdoors or in a well-ventilated area. Wear protective gloves and eye/face protection. Avoid contact with eyes, skin and clothing. Keep away from incompatibles. Wash thoroughly after handling. Avoid breathing mist or vapor. Keep away from flames and hot surfaces. - No smoking. Use non-sparking tools and explosion-proof equipment.

Conditions for safe storage : Store locked up. Store in a cool, dry, well-ventilated area. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel.

Incompatible materials : Strong acids ;Strong oxidizing agents (e.g. hydrogen peroxide, nitric acid)

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<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 light catalytic cracked	N/Av	N/Av	N/Av	N/Av
Benzenesulfonic acid, C10-16-alkyl derivatives, compounds with 2-Propanamine	N/Av	N/Av	N/Av	N/Av
Dipropylene glycol monomethyl ether	100ppm (skin)	150ppm (skin)	100ppm (skin)	

Exposure controls

Ventilation and engineering measures

: Use in a well-ventilated area. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Use explosion-proof electrical and ventilating equipment.

Respiratory protection : Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust and/or fumes). Advice should be sought from respiratory protection specialists.

Skin protection : Wear protective gloves. Advice should be sought from glove suppliers.

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

Other protective equipment : Wear sufficient clothing to prevent skin contact. Depending on conditions of use, an impervious apron should be worn. An eyewash station and safety shower should be made available in the immediate working area.

General hygiene considerations

: Avoid contact with skin, eyes and clothing. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear orange liquid.

Odour : Characteristic aromatic hydrocarbon odour

Odour threshold : N/Av

pH : Not available.

Melting/Freezing point : <-35°C



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Initial boiling point and boiling range

: Not available.

Flash point : 62-65°C

Flashpoint (Method) : Tag closed cup

Evaporation rate (BuAe = 1) : Not available.

Flammability (solid, gas) : Not applicable.

Lower flammable limit (% by vol.)

: N/Ap

Upper flammable limit (% by vol.)

: N/Ap

Oxidizing properties : Not applicable

Explosive properties : Not applicable.

Vapour pressure : Not available.

Vapour density : Not available.

Relative density / Specific gravity

: 0.952

Solubility in water : Insoluble.

Other solubility(ies) : Not available.

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

: N/Av

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not available.

Viscosity : Not available.

Volatiles (% by weight) : Not available.

Volatile organic Compounds (VOC's)

: N/Av

Absolute pressure of container

: N/Ap

Flame projection length : N/Ap

Other physical/chemical comments

: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : This product is not reactive.

Chemical stability : Material is stable under normal conditions.

Possibility of hazardous reactions

: No dangerous reaction known under conditions of normal use.

Conditions to avoid : Avoid contact with incompatible materials. Do not use in areas without adequate ventilation. Keep away from heat, sparks and open flame.

Incompatible materials : See Section 7 (Handling and Storage) for further details.

Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.

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



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Routes of exposure skin absorption

: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: May cause respiratory irritation. Symptoms may include sore throat, running nose and shortness of breath. Inhalation of high concentrations may cause dizziness, disorientation, incoordination, narcosis, nausea or narcotic effects.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard. Aspiration hazard - material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing.

Sign and symptoms skin

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

Sign and symptoms eyes

: Causes serious eye damage. Symptoms may include redness, pain, tearing and conjunctivitis. Permanent eye damage including blindness could result.

Potential Chronic Health Effects

: Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

Mutagenicity

: Not expected to be mutagenic in humans.

Carcinogenicity

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects

: This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Medical conditions aggravated by overexposure

: None known.

Synergistic materials

: Not available.

Toxicological data

: There is no data available for this product. The calculated ATE values for this mixture are: ATE inhalation (mists) = 11.63 mg/L

<u>Chemical name</u>	<u>LC₅₀(4hr)</u>	<u>LD₅₀</u>	
	<u>inh. rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Distillates, petroleum, hydrotreated light catalytic cracked	4.65 mg/L	3200 mg/kg	>2000 mg/kg
Benzenesulfonic acid, C10-16-alkyl derivatives, compounds with 2-Propanamine	N/Av	>2000 mg/kg	N/Av
Dipropylene glycol monomethyl ether	>3mg/L	5120mg/kg	9480mg/kg

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: Very toxic to aquatic life with long lasting effects. Do not allow this material to drain into sewers/water supplies. See data for individual ingredient ecotoxicity data.



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Ecotoxicity data:

<u>Ingredients</u>	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Distillates, petroleum, hydrotreated light catalytic cracked	68921-07-3	>0.30 <0.21 mg/L (Rainbow trout)	N/Av	1
Benzenesulfonic acid, C10-16-alkyl derivatives, compounds with 2-Propanamine	68584-24-7	N/Av	N/Av	None.
Dipropylene glycol monomethyl ether	34590-94-8	>10000mg/L (Fathead minnow)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Distillates, petroleum, hydrotreated light catalytic cracked	68921-07-3	0.32 mg/L (Daphnia magna)	N/Av	1
Benzenesulfonic acid, C10-16-alkyl derivatives, compounds with 2-Propanamine	68584-24-7	N/Av	N/Av	None.
Dipropylene glycol monomethyl ether	34590-94-8	1919mg/L (Daphnia magna)	0.5mg/L (Daphnia magna)	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Distillates, petroleum, hydrotreated light catalytic cracked	68921-07-3	0.51mg/L (Green algae)	0.05 mg/L (Green algae)	10
Benzenesulfonic acid, C10-16-alkyl derivatives, compounds with 2-Propanamine	68584-24-7	N/Av	N/Av	None.
Dipropylene glycol monomethyl ether	34590-94-8	>969mg/L (Green algae)	969mg/L (Green algae)	None.

Persistence and degradability

: No data is available on the product itself.

Bioaccumulation potential

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



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<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Distillates, petroleum, hydrotreated light catalytic cracked (CAS 68921-07-3)	N/Av	N/Av
Benzenesulfonic acid, C10-16-alkyl derivatives, compounds with 2-Propanamine (CAS 68584-24-7)	3.16	1.2
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	0.0061	<1

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.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

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SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	None.				
TDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), hydrotreated light catalytic cracked)	9	III	 
TDG Additional information	This material may be shipped as an exempted marine pollutant in accordance with TDG Section 1.45.1 and Special Provision 99.				
ICAO/IATA	UN3082	Environmentally hazardous substance, liquid, n.o.s. (Distillates (petroleum), hydrotreated light catalytic cracked)	9	III	 
ICAO/IATA Additional information	Refer to the appropriate Packing Instruction, prior to shipping this material. Review all State and Operator Variations, prior to shipping this material.				
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Distillates (petroleum), hydrotreated light catalytic cracked)	9	III	 
IMDG Additional information	Consult the IMDG regulations for exceptions.				

Special precautions for user : None known or reported by the manufacturer.

Environmental hazards : This mixture meets the criteria for an environmentally hazardous material according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
 : Not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

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



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<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 light catalytic cracked	68921-07-3	Yes	N/Ap	N/Av	No	N/Ap
Benzenesulfonic acid, C10-16-alkyl derivatives, compounds with 2-Propanamine	68584-24-7	Yes	N/Ap	N/Av	No	N/Ap
Dipropylene glycol monomethyl ether	34590-94-8	Yes	None.	N/Ap	Yes	1%

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Eye Damage; Skin irritation; Aspiration hazard. 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 light catalytic cracked	68921-07-3	No	N/Ap	No	No	No	No	No	No
Benzenesulfonic acid, C10-16-alkyl derivatives, compounds with 2-Propanamine	68584-24-7	No	N/Ap	No	No	No	No	No	No
Dipropylene glycol monomethyl ether	34590-94-8	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes

Canadian Information:

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

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

International Information:

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



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Ingredients	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Distillates, petroleum, hydrotreated light catalytic cracked	68921-07-3	272-930-7	Present	N/Av	N/Av	KE-12551	N/Av	N/Av
Benzenesulfonic acid, C10-16-alkyl derivatives, compounds with 2-Propanamine	68584-24-7	271-531-5	Present	N/Av	N/Av	N/Av	N/Av	N/Av
Dipropylene glycol monomethyl ether	34590-94-8	252-104-2	Present	Present	Present	Present	Present	Present

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR: Code of Federal Regulations
CSA: Canadian Standards Association
DOT: Department of Transportation
EPA: Environmental Protection Agency
HMIS: Hazardous Materials Identification System
HSDB: Hazardous Substances Data Bank
IARC: International Agency for Research on Cancer
Inh: Inhalation
LC: Lethal Concentration
LD: Lethal Dose
MN: Minnesota
N/Av: Not Available
N/Av: Not Available
NFPA: National Fire Protection Association
NIOSH: National Institute of Occupational Safety and Health
NJ: New Jersey
NTP: National Toxicology Program
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PA: Pennsylvania
PEL: Permissible exposure limit
RCRA: Resource Conservation and Recovery Act
RI: Rhode Island
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
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 2016
2. International Agency for Research on Cancer Monographs, searched 2017
3. Canadian Centre for Occupational Health and Safety, CChemoWeb databases, 2017(Chempendium, HSDB and RTECs).
4. Material Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists - 2017 version.
6. California Proposition 65 List - 2017 version.
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2017.



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Other special considerations for handling

: Provide adequate information, instruction and training for operators.

<p>Prepared for: CEDA Industrial Services LP 2130 121 Avenue NE Edmonton, AB T6S 1B1 780-472-6766</p>	
<p>Prepared by: ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada) http://www.thecompliancecenter.com</p>	

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