

CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 1 of 12

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: CC13

Product Code(s) : Not available.

Recommended use of the chemical and restrictions on use

: Aluminum and masonary cleaner Use pattern: Professional Use Only Restriction on use: 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 #
24 Hr. Emergency Tel #

Name, address, and telephone number of the manufacturer:

Refer to supplier

24 Hr. Emergency Tel # : 780-472-6766 SECTION 2. HAZARDS IDENTIFICATION

: 780-472-6766

Classification of the chemical

Clear to yellow liquid. Odorless.

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:

Corrosive to Metals - Category 1 Skin Corrosion/Irritation - Category 1 Eye Damage/Irritation - Category 1

Specific target organ toxicity, single exposure - Category 3 respiratory tract irritation

Label elements

Hazard pictogram(s)





DANGER!

Hazard statement(s)

May be corrosive to metals. Causes severe skin burns and eye damage. May cause respiratory irritation.



CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 2 of 12

SAFETY DATA SHEET

Precautionary statement(s)

Keep only in original container.

Do not breathe mist.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/clothing and eye/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER or doctor/physician.

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 CENTER or doctor/physician.

Absorb spillage to prevent material damage.

Store in corrosive resistant container with a resistant inner liner.

Store locked up.

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

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification:

Burning produces obnoxious and toxic fumes. Chronic skin contact with low concentrations may cause dermatitis. May cause respiratory tract irritation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS#	Concentration (% by weight)
Phosphoric acid	Orthophosphoric acid Hydrogen Phosphate	7664-38-2	35.0 - 40.0
Dipropylene glycol methyl ether	DPGME	34590-94-8	5.0 - 7.0
Citric acid	2-Hydroxypropanetricarboxylic acid	77-92-9	5.0 - 7.0
Nonylphenol, ethoxylated	Polyethylene glycol nonylphenyl ether	9016-45-9	5.0 - 7.0

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: Never give anything by mouth to an unconscious person. Do NOT induce vomiting.

Have victim rinse mouth with water, then give one to two glasses of water to drink.

Seek immediate medical attention/advice.

Inhalation : Immediately remove person to fresh air. If breathing is difficult, give oxygen by

qualified medical personnel only. If breathing has stopped, give artificial respiration.

Seek immediate medical attention/advice.

Skin contact : Wear appropriate protective equipment. Remove/Take off immediately all

contaminated clothing. Immediately flush skin with gently flowing, running water for at least 20 minutes. Do not rub area of contact. Obtain medical attention immediately. Wash contaminated clothing before reuse. Contaminated leather may require

disposal.



CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 3 of 12

SAFETY DATA SHEET

Eye contact

: Wear appropriate protective equipment. Protect unharmed eye. If in contact with eyes, immediately flush eyes with running water for at least 20 minutes. If contact lens is present, DO NOT delay flushing or attempt to remove the lens until flushing is done. Obtain medical attention immediately.

Most important symptoms and effects, both acute and delayed

: Causes severe skin irritation. Symptoms may include redness, blistering, pain and swelling. Causes serious eye damage. Symptoms may include severe pain, blurred vision, redness and corrosive damage. May cause respiratory irritation. Symptoms may include coughing, choking and wheezing. Could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed. Ingestion may cause severe burns to the mucous membranes of the digestive tract. Symptoms may include abdominal pain, vomiting, burns, perforations and bleeding.

Indication of any immediate medical attention and special treatment needed

: Immediate medical attention is required. Causes chemical burns. Treat symptomatically.

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

: Use water spray with caution. 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

: Not considered flammable. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.106)

: Not flammable.

Hazardous combustion products

: Phosphorus oxides .

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. Use water to cool fire-exposed containers. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply or any natural waterway. Dike for water control.

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. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

Environmental precautions

Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up



CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 4 of 12

SAFETY DATA SHEET

: Remove all sources of ignition. Ventilate area of release. Stop the spill at source if it is safe to do so. Dike for water control. Dilute alkali with water and neutralize with acids (e.g. acetic acid/vinegar) 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). Notify the appropriate authorities as required.

Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

US CERCLA Reportable quantity (RQ): See section 15.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Wear protective gloves/clothing and eye/face protection. Use only in well-ventilated areas. Do not breathe fumes or mists. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from heat and flame. Keep away from incompatibles. Keep containers tightly closed when not in use.

Conditions for safe storage :

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep away from incompatibles. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. Do not freeze. Store in corrosion-resistant containers. Avoid contact with aluminum.

Incompatible materials

 Water; Metals (e.g. tin, aluminum, zinc and alloys containing these metals) Strong oxidizers (e.g. Chlorine, Peroxides, etc.), acids (e.g. sulfuric acid, nitric acid), caustics. Amines Alcohols

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
Chemical Name	ACGIH	I TLV	OSHA	PEL
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	STEL
Phosphoric acid	1 mg/m³	3 mg/m³	1 mg/m³	N/Av
Dipropylene glycol methyl ether	100ppm (skin)	150ppm (skin)	100ppm (skin)	N/Av
Citric acid	N/Av	N/Av	N/Av	N/Av
Nonylphenol, ethoxylated	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

: Use only in well-ventilated areas. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Respiratory protection

: Respiratory protection is required if the concentrations exceed the TLV. NIOSH-approved respirators are recommended. A self contained breathing apparatus should be used in emergency situations or instances where exposure levels are not known. Seek advice from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in

Skin protection

: Wear protective gloves/clothing. Advice should be sought from glove suppliers.

accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

Eye / face protection

: Wear eye/face protection. Safety glasses with side-shields or chemical splash goggles.

go

Other protective equipment :

An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.



CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 5 of 12

SAFETY DATA SHEET

General hygiene considerations

: Do not breathe fumes or mists. Do not ingest. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to yellow liquid.

Odour : Odorless.
Odour threshold : Not applicable.

pH : 1-2

Melting/Freezing point : -20 to -25°C

Initial boiling point and boiling range

: Not available.

Flash point : Not applicable.
Flashpoint (Method) : Not applicable.

Evaporation rate (BuAe = 1) : N/Av

Flammability (solid, gas) : Not applicable.

Lower flammable limit (% by vol.)

Not applicable.

Upper flammable limit (% by vol.)

: Not applicable.

Oxidizing properties : None known.

Explosive properties : Not explosive
Vapour pressure : Not available.

Vapour density : Not available.

Relative density / Specific gravity

1.20

Solubility in water : Very soluble
Other solubility(ies) : Not available.

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

: N/Ap

Auto-ignition temperature : N/Ap

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: Not normally reactive. May be corrosive to metals. Contact with most metals will

generate flammable hydrogen gas.

Chemical stability : Material is stable under normal conditions.

Possibility of hazardous reactions

: Hazardous polymerization does not occur.



CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 6 of 12

SAFETY DATA SHEET

Conditions to avoid : Avoid heat and open flame. Keep away from incompatibles. Keep container tightly

closed when not in use. Avoid contact with water.

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
Routes of exposure skin absorption

: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

May cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, choking and wheezing. Could result in pulmonary edema (fluid accumulation). Symptoms of pulmonary edema (chest pain, shortness of breath) may be delayed.

Sign and symptoms ingestion

: May cause severe irritation and corrosive damage in the mouth, throat and stomach. Symptoms may include abdominal pain, vomiting, burns, perforations, bleeding and eventually death.

Sign and symptoms skin Sign and symptoms eyes Causes skin burns. Symptoms may include redness, blistering, pain and swelling. Causes serious eye damage. Symptoms may include redness, pain, tearing and conjunctivitis. Permanent eye damage including blindness could result.

Potential Chronic Health Effects

: Chronic skin contact with low concentrations may cause 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 have other reproductive effects.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

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 (respiratory) May cause respiratory irritation

Exposure -Category 3 (respiratory) May cause respiratory irritation.

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Medical conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

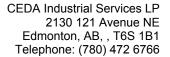
Synergistic materials

: Not available.

Toxicological data

: There is no data available for this product. The calculated ATE values for this mixture

are: ATE oral = 5725.73 mg/kg ATE dermal = 2971.56 mg/kg





CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 7 of 12

SAFETY DATA SHEET

	LCso(4hr)	LD50			
Chemical name	<u>inh, rat</u>	(Oral, rat)	(Rabbit, dermal)		
Phosphoric acid	N/Av	3500 mg/kg (85%); 4400 mg/kg (75%)	> 1260 mg/kg (85%); > 3160 mg/kg (75%)		
Dipropylene glycol methyl ether	>3mg/L	5120mg/kg	9480mg/kg		
Citric acid	N/Av	3000 mg/kg	> 2000 mg/kg (No mortality)		
Nonylphenol, ethoxylated	N/Av	1310 mg/kg	2000 mg/kg		

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: The ecological characteristics of this product have not been fully investigated.
The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Toxicity is primarily associated with pH.

Ecotoxicity data:

In our diame	040.11	Toxicity to Fish				
<u>Ingredients</u>	CAS No	LC50 / 96h	NOEC / 21 day	M Factor		
Phosphoric acid	7664-38-2	75.1 mg/L (Japanese ricefish)	N/Av	None.		
Dipropylene glycol methyl ether	34590-94-8	>10000mg/L (Fathead minnow)	N/Av	None.		
Citric acid	77-92-9	1516 mg/L (Bluegill sunfish)	N/Av	None.		
Nonylphenol, ethoxylated	9016-45-9	2.5 - 12.5 mg/L (Fathead minnow)	N/Av	None.		

<u>Ingredients</u>	CAS No	Toxicity to Daphnia				
		EC50 / 48h	NOEC / 21 day	M Factor		
Phosphoric acid	7664-38-2	376 mg/L (Daphnia magna)	N/Av	None.		
Dipropylene glycol methyl ether	34590-94-8	1919mg/L (Daphnia magna)	0.5mg/L (Daphnia magna)	None.		
Citric acid	77-92-9	1535 mg/L/24hr (Daphnia magna)	N/Av	None.		
Nonylphenol, ethoxylated	9016-45-9	4.8 mg/L (Daphnia magna)	N/Av	None.		



CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 8 of 12

SAFETY DATA SHEET

<u>Ingredients</u>	CAS No	Toxicity to Algae				
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor		
Phosphoric acid	7664-38-2	32 mg/L/72hr (Green algae)	N/Av	None.		
Dipropylene glycol methyl ether	34590-94-8	>969mg/L (Green algae)	969mg/L (Green algae)	None.		
Citric acid	77-92-9	> 18 000 mg/L/96hr (Green algae)	N/Av	None.		
Nonylphenol, ethoxylated	9016-45-9	N/Av	N/Av	None.		

Persistence and degradability

: No data is available on the product itself.

Bioaccumulation potential: No data is available on the product itself.

<u>Components</u>	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Phosphoric acid (CAS 7664-38-2)	- 0.77	N/Ap
Dipropylene glycol methyl ether (CAS 34590-94-8)	0.0061	<1
Citric acid (CAS 77-92-9)	- 1.72	3 (estimated)
Nonylphenol, ethoxylated (CAS 9016-45-9)	3.7	< 0.2, < 1.4

Mobility in soil : No data is available on the product itself.

Other Adverse Environmental effects

: No data is available on the product itself.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal Methods of Disposal

- : Handle waste according to recommendations in Section 7.
- : 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.



CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 9 of 12

SAFETY DATA SHEET

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid)	8	II	
TDG Additional information	May be shipped exceeding 30 k	d as LIMITED QUANTITY when transported in quantities no g gross mass.	o larger than 1	Litre, in pac	kages not
49CFR/DOT	UN3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric Acid)	8	II	
49CFR/DOT Additional information	May be shipped exceeding 30 k	d as LIMITED QUANTITY when transported in quantities no g gross mass.	o larger than 1	Litre, in pac	kages not
ICAO/IATA	UN3264	Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric Acid)	8	II	
ICAO/IATA Additional information	Refer to ICAO/	ATA Packing Instruction			
IMDG	UN3264	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric Acid)	8	II	(E) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S
IMDG Additional information	Consult the IMI	DG regulations for exceptions.			

Special precautions for user: None reported by the manufacturer.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture,

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:

<u>Ingredients</u>	TSCA		CERCLA A Reportable	SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical		
	CAS#	Inventory	Quantity(RQ) (40 CFR 117.302):	Hazardous Substance, 40 CFR 355:	Toxic Chemical	de minimus Concentration	
Phosphoric acid	7664-38-2	Yes	5000 lbs / 2270 kg	None.	No	N/Ap	
Dipropylene glycol methyl ether	34590-94-8	Yes	None.	N/Ap	Yes	1%	
Citric acid	77-92-9	Yes	None.	None.	No	N/Ap	
Nonylphenol, ethoxylated	9016-45-9	Yes	None.	None.	No	N/Ap	





CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 10 of 12

SAFETY DATA SHEET

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Skin corrosion; Corrosive to metals; Serious eye damage; 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					
	CAS#	Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Phosphoric acid	7664-38-2	No	N/Ap	No	Yes	Yes	Yes	Yes	Yes
Dipropylene glycol methyl ether	34590-94-8	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Citric acid	77-92-9	No	N/Ap	No	No	No	No	No	No
Nonylphenol, ethoxylated	9016-45-9	No	N/Ap	No	No	No	No	No	No

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:

<u>Ingredients</u>	CAS#	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Phosphoric acid	7664-38-2	231-633-2	Present	Present	(1)-422	KE-27427	Present	HSR001545, HSR001571 (dilution)
Dipropylene glycol methyl ether	34590-94-8	252-104-2	Present	Present	Present	Present	Present	Present
Citric acid	77-92-9	201-069-1	Present	Present	(2)-1318	KE-20831	Present	HSR003138
Nonylphenol, ethoxylated	9016-45-9	500-024-6	Present	Present	(7)-172	KE-26244	Present	HSR003054; HSR006598, HSR006618 (dilution)

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists

CA: California

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



CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 11 of 12

SAFETY DATA SHEET

IATA: International Air Transport Association ICAO: International Civil Aviation Organisation IMDG: International Maritime Dangerous Goods

Inh: Inhalation

LC: Lethal Concentration

LD: Lethal Dose
MA: Massachusetts
MN: Minnesota
N/Ap: Not Applicable
N/Av: Not Available

NFPA: National Fire Protection Association

NIOSH: National Institute of Occupational Safety and Health

NJ: New Jersey

NTP: National Toxicology Program

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

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

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, CCInfoWeb databases,

2017(Chempendium, HSDB and RTECs).

Material Safety Data Sheets from manufacturer.
 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.

Preparation Date (mm/dd/yyyy)

: 06/21/2017

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:

References

CEDA Industrial Services LP 2130 121 Avenue NE Edmonton, AB T6S 1B1 780-472-6766



Prepared by:

ICC The Compliance Center Inc.

Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada)

http://www.thecompliancecenter.com



DISCLAIMER



CC13

SDS Preparation Date (mm/dd/yyyy): 06/21/2017

Page 12 of 12

SAFETY DATA SHEET

Industrial Services LP and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and CEDA Industrial Services LP expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process. This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and CEDA Industrial Services LP

END OF DOCUMENT