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SECTION 1. IDENTIFICATION

Product identifier used on the label

: Fluid Film Aerosol Black

Other means of identification: Not available.

Recommended use of the chemical and restrictions on use

: Penetrant and lubricant, which is also used for corrosion prevention.

No restrictions on use known.

Chemical family : Mixture of: Specially processed wool-wax, highly refined petroleum oils, propellant and

other additives.

Name, address, and telephone number

of the supplier: NLS Products

Name, address, and telephone number of

the manufacturer:

Refer to supplier

Box 790, 1 Lakewood Crescent Bobcaygeon,ON, Canada K0M 1A0

Supplier's Telephone # : (705) 738-2321

24 Hr. Emergency Tel # : INFOTRAC - (800) 535-5053 (Within Continental US); (352) 323-3500 (Outside US)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Liquid contained in a pressurized, aerosol can. Black liquid. Wax-like odour.

Most important hazards:

Extremely flammable aerosol. May be ignited by open flame. Closed containers are contained under pressure and may explode if exposed to excess heat for a prolonged period of time.

Occupational exposure to the substance or mixture may cause adverse effects. For further information, please refer to section 11 of the SDS.

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). Hazardous classification:

Flammable aerosol - Category 1

Gases under pressure

Label elements

Hazard pictogram(s)





Signal Word

DANGER!

Hazard statement(s)

Extremely flammable aerosol. Contains gas under pressure; may explode if heated.



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Precautionary statement(s)

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.

Pressurized container: Do not pierce or burn, even after use.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Store in a well-ventilated place.

Other hazards

Other hazards which do not result in classification:

Burning produces obnoxious and toxic fumes. May be mildly irritating to skin, eyes and respiratory system. In extremely high concentrations, may cause symptoms of central nervous system depression. May cause gastrointestinal irritation. Prolonged overexposure may cause slight liver effects, such as increased organ weights.

Environmental precautions:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	<u>CAS #</u>	Concentration (% by weight)	
Hydrotreated heavy paraffinic	Mineral oil, petroleum distillates, hydrotreated	64742-54-7	45.0 - 70.0	
Propane	Dimethylmethane Propyl hydride	74-98-6	10.0 - 30.0	
Benzenesulfonic acid, di-C10-18-alkyl derivitives, calcium salts	Not available.	93820-57-6	1.0 - 5.0	
Carbon black	Furnace black Lamp black Thermal black	1333-86-4	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: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Never give anything by mouth to an unconscious person.

Inhalation
 If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing is irregular or stopped, administer artificial respiration. If

irritation or symptoms develop, seek medical attention.

Skin contact : For skin contact, wash with soap and water while removing contaminated clothing. If

irritation or symptoms develop, seek medical attention. Wash contaminated clothing

before reuse.

Eye contact : Flush eyes with water for at least 15 minutes. If irritation or symptoms develop, seek medical attention.

Most important symptoms and effects, both acute and delayed

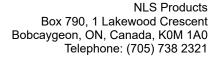
: May be mildly irritating to skin, eyes and respiratory system. May cause coughing and breathing difficulties. Symptoms may include mild redness and swelling. In extremely high concentrations, may also cause nausea, vomiting, dizziness, drowsiness and other symptoms of central nervous system depression.

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

: Treat symptomatically.





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SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: Carbon dioxide (CO2); Dry chemical; Alcohol resistant foam

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

: Extremely flammable aerosol. Pressurized container: may burst if heated. Vapours are heavier than air and may spread along floors. Product may float, and be re-ignited at the water's surface. This product is contained under pressure, and could explode when exposed to heat and flame.

Flammability classification (OSHA 29 CFR 1910.106)

: Flammable aerosol. - Category 1

Hazardous combustion products

: Carbon oxides; Hydrocarbons; Sulfur oxides; Phosphorus oxides; Nitrogen oxides (NOx); Polycyclic aromatic hydrocarbons; Other unidentified organic compounds.

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. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

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

: All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Prevent product from entering drains, sewers, waterways and soil.

Methods and material for containment and cleaning up

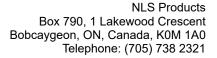
: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Do not use combustible absorbents, such as 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.

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): None known.

In Canada: Contact appropriate local and provincial environmental authorities for assistance and/or reporting requirements.





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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Use with adequate ventilation. Avoid breathing dust, mist or vapours. Wear suitable protective equipment during handling. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and open flame - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Keep away from incompatibles. Always replace cap after use. Wash thoroughly after

handling.

Store in cool/well-ventilated place. Storage area should be clearly identified, clear of Conditions for safe storage :

obstruction and accessible only to trained and authorized personnel. Inspect

periodically for damage or leaks. No smoking. Protect from sunlight. Have appropriate

fire extinguishers and spill clean-up equipment in or near storage area.

: Strong oxidizing agents; Halogenated compounds Incompatible materials

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
Chemical Name	ACGIH	TLV_	OSHA	PEL
	<u>TWA</u>	STEL	<u>PEL</u>	STEL
Hydrotreated heavy paraffinic	5 mg/m³ (inhalable) (severely refined mineral oils)	N/Av	5 mg/m³ (As 'Oil mist, mineral')	N/Av
Propane	N/Av	N/Av	1000 ppm (1800 mg/m³)	N/Av
Benzenesulfonic acid, di-C10-18-alkyl derivitives, calcium salts	N/Av	N/Av	N/Av	N/Av
Carbon black	3.0 mg/m³ (inhalable)	N/Av	3.5 mg/m³	N/Av

Exposure controls

Ventilation and engineering measures

: Provide adequate ventilation. 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. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection

specialists.

Gloves impervious to the material are recommended. Wear sufficient clothing to Skin protection

prevent skin contact. The suitability for a specific workplace should be discussed with

the producers of the protective gloves.

Eye / face protection

Wear as appropriate: Tightly fitting safety goggles; Safety glasses with side shields.

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 dust, mist or vapours. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.





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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid aerosol.

Colour Black

Odour Wax-like odour.

Odour threshold : N/Av На : 7.8 Melting Point/Freezing point: N/Av Initial boiling point and boiling range

: N/Av

-104.44°C Flash point Flashpoint (Method) N/Av Evaporation rate (BuAe = 1) : N/Av

Extremely flammable **Flammability** Lower explosion or flammability limit (% by vol.)

N/Av

Upper explosion or flammability limit (% by vol.)

: N/Av

Oxidizing properties : None known.

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

Vapour pressure N/Av Relative vapour density : N/Av Relative density / Specific gravity

: 0.88 (concentrate)

Solubility in water : Insoluble. Other solubility(ies) : N/Av

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

: N/Av

: N/Av **Auto-ignition temperature Decomposition temperature**: N/Av

: 6560 cP @ 40°C **Viscosity**

Particle characteristics : N/Ap Volatiles (% by weight) : N/Av Volatile organic Compounds (VOC's)

: <20%

Absolute pressure of container

: N/Av : N/Av

Flame projection length Other physical/chemical comments

: Chemical heat of combustion: N/Av

SECTION 10. STABILITY AND REACTIVITY

Reactivity Not normally reactive.

: Stable under normal conditions. Chemical stability

Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Direct sources of heat. Keep away from direct sunlight. Do not use in areas without Conditions to avoid

adequate ventilation. Avoid contact with incompatible materials.

Incompatible materials : Strong oxidizing agents; Halogenated compounds



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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

: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

May cause mild transient irritation. May cause coughing and breathing difficulties. In extremely high concentrations, may also cause nausea, vomiting, dizziness, drowsiness and other symptoms of central nervous system depression.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

Sign and symptoms skin

May cause mild skin irritation. Symptoms may include mild redness and swelling. May be absorbed through the skin.

Sign and symptoms eyes

Direct eye contact may cause slight or mild, transient irritation. Direct eye contact may cause temporary redness.

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. Contains carbon black.. Carbon black is

classified as carcinogenic by IARC (Group 2B). However, the Carbon black used in this product is in a non-respirable form and under normal conditions of use, Carbon black cannot become airbourne. The carcinogenic effects of Carbon black are

therefore not applicable to this product.

Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.

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: According to the classification criteria of U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations)

(WHMIS 2015), this product is not expected to cause target organ toxicity through

single or repeated exposures.

Mild effects may be seen in the following organs: Eyes; Skin; Respiratory system;

Digestive system; Central nervous system; Liver

Medical conditions aggravated by overexposure

: Pre-existing skin, eye, respiratory and central nervous system disorders.

: None reported by the manufacturer. Synergistic materials



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Toxicological data

: No data is available on the product itself.

See below for individual ingredient acute toxicity data.

	LC ₅₀ (4hr)	LD ₅₀		
Chemical name	inh, rat	(Oral, rat)	(Rabbit, dermal)	
Hydrotreated heavy paraffinic	> 5.53 mg/L (mist) (No mortality)	> 15 000 mg/kg	> 5000 mg/kg	
Propane	N/Av	N/Ap (gas)	N/Ap (gas)	
Benzenesulfonic acid, di-C10-18-alkyl derivitives, calcium salts	N/Av	N/Av	N/Av	
Carbon black	6.75 mg/L (dust)	> 10 000 mg/kg	> 3000 mg/kg	

Other important toxicological hazards

: None reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

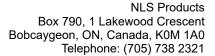
: No data is available on the product itself. Should not be released into the environment.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

la sur dia sata	0.10.#	Toxicity to Fish				
<u>Ingredients</u>	CAS#	LC50 / 96h	NOEC / 21 day	M Factor		
Hydrotreated heavy paraffinic	64742-54-7	> 100 mg/L (Fathead minnow)	> 1000 mg/L/28-day (QSAR)	None.		
Propane	74-98-6	N/Ap	N/Ap	N/Ap		
Carbon black	1333-86-4	> 1000 mg/L (Zebra fish)	N/Av	None.		

<u>Ingredients</u>	CAS#	Toxicity to Daphnia				
		EC50 / 48h	NOEC / 21 day	M Factor		
Hydrotreated heavy paraffinic	64742-54-7	> 10 000 mg/L (Daphnia magna) (Read-across)	10 mg/L	None.		
Propane	74-98-6	N/Ap	N/Ap	N/Ap		
Carbon black	1333-86-4	> 5600 mg/L/24hr (Daphnia magna)	N/Av	None.		





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<u>Ingredients</u>	CAS#	Toxicity to Algae				
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor		
Hydrotreated heavy paraffinic	64742-54-7	N/Av	> 100 mg/L/72hr (Green algae) (Read-across)	None.		
Propane	74-98-6	N/Ap	N/Ap	N/Ap		
Carbon black	1333-86-4	> 10 000 mg/L/72hr (Green algae)	N/Av	None.		

Persistence and degradability

The product itself has not been tested. Contains the following chemicals which are considered to be inherently biodegradable: Hydrotreated heavy paraffinic.

Bioaccumulation potential

The product itself has not been tested. See the following data for ingredient

information.

<u>Components</u>	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Hydrotreated heavy paraffinic (CAS 64742-54-7)	3.9 - 6	N/Av

Mobility in soil

: The product itself has not been tested.

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

: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

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	
TDG	UN1950	AEROSOLS, flammable	2.1	none	\Diamond	
TDG Additional nformation		ay be shipped by ground within Canada as a Limited Quar nal exemption requirements, if shipping under this exempt		TDG, refer	to Section	
49CFR/DOT	UN1950	Aerosols, flammable	2.1	none	\Diamond	
9CFR/DOT Additional nformation	May be shipped exceeding 30 k	das LIMITED QUANTITY when transported in quantities ng gross mass.	lo larger than 1	Litre, in pac	kages not	
ICAO/IATA	UN1950	Aerosols, flammable	2.1	none		
ICAO/IATA Additional nformation		d as Limited Quantity when shipped per packing instruction ge may not exceed 30 kg.	n Y203. Inner p	packages m	ay not exceed 1I	
IMDG	UN1950	AEROSOLS, flammable	2.1	none		
IMDG Additional nformation	May be shipped exceeding 30 k	ld as LIMITED QUANTITY when transported in containers of g gross mass.	ino larger than 1	1.0 Litre, in p	oackages not	

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 ECOLOGICAL INFORMATION, Section 12.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

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

<u>Ingredients</u>	040#	TSCA	CERCLA Reportable	SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical		
	CAS # Invent	Inventory	Quantity(RQ) (40 CFR 117.302):	Hazardous Substance, 40 CFR 355:	Toxic Chemical	de Minimis Concentration	
Hydrotreated heavy paraffinic	64742-54-7	Yes	None.	None.	No	No	
Propane	74-98-6	Yes	None.	None.	No	No	
Benzenesulfonic acid, di-C10-18-alkyl derivitives, calcium salts	93820-57-6	Yes	N/Ap	N/Av	No	No	
Carbon black	1333-86-4	Yes	None.	None.	No	No	



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SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable aerosol; Gas Under Pressure. 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
Hydrotreated heavy paraffinic	64742-54-7	No	N/Ap	No	No	No	No	No	No
Propane	74-98-6	No	N/Ap	No	Yes	Yes	Yes	Yes	Yes
Benzenesulfonic acid, di-C10-18-alkyl derivitives, calcium salts	93820-57-6	No	N/Ap	No	No	No	No	No	No
Carbon black	1333-86-4	Yes	Cancer (airborne, unbound particles of respirable size)	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 information: Refer to Section 2 for a WHMIS Classification for this product.

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
Hydrotreated heavy paraffinic	64742-54-7	265-157-1	Present	Present	(2)-10; (9)-1692; (9)-1692	KE-12546	Present	May be used as a single component chemical under an appropriate group standard.
Propane	74-98-6	200-827-9	Present	Present	(2)-3	KE-29258	Present	HSR001010
Benzenesulfonic acid, di-C10-18-alkyl derivitives, calcium salts	93820-57-6	298-637-4	N/Av	Present	N/Av	N/Av	Present	N/Av
Carbon black	1333-86-4	215-609-9	Present	Present	(5)-3328; (5)-5222	KE-04682	Present	HSR002801

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists

AICS: Australian Inventory of Chemical Substances

ATE: Acute Toxicity Estimate

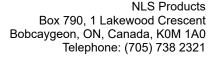
CA: California

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

of 1980

CFR: Code of Federal Regulations





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CSA: Canadian Standards Association DOT: Department of Transportation EC50: Effective Concentration 50%

EINECS: European Inventory of Existing Commercial chemical Substances

ENCS: Existing and New Chemical Substances EPA: Environmental Protection Agency HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer

IBC: Intermediate Bulk Container

IECSC: Inventory of Existing Chemical Substances IMDG: International Maritime Dangerous Goods

IOC: Inventory of Chemicals

KECI: Korean Existing Chemicals Inventory KECL: Korean Existing Chemicals List

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

NIOSH: National Institute of Occupational Safety and Health

NJ: New Jersey

NOEC: No observable effect concentration NTP: National Toxicology Program

OECD: Organisation for Economic Co-operation and Development

OSHA: Occupational Safety and Health Administration

PA: Pennsylvania

PEL: Permissible exposure limit

PICCS: Philippine Inventory of Chemicals and Chemical Substances

RCRA: Resource Conservation and Recovery Act

RI: Rhode Island

RTECS: Registry of Toxic Effects of Chemical Substances SARA: Superfund Amendments and Reauthorization Act

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values TSCA: Toxic Substance Control Act TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents &

Biological Exposure Indices

2. ECHA - European Chemical Agency

3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases

4. Safety Data Sheets from manufacturer.

5. US EPA Title III List of Lists6. California Proposition 65 List

7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal

Preparation Date (mm/dd/yyyy)

References

: 03/06/2017

Reviewed Date SDS (dd/mm/yyyy)

: 18/04/2023

Revision No. : 2

Revision Information : Updated SDS to the comply with new 2023 WHMIS format

Other special considerations for handling

: Provide adequate information, instruction and training for operators.



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