



## SAFETY DATA SHEET

According to Canadian Hazardous Products Regulations (HPR) (SOR/2015/17)

SDS # : 088745

### MULTIS COMPLEX EP 1B

Date of the previous version: not applicable

Revision Date: 2018-07-19

Version 1

#### 1. IDENTIFICATION

##### Product identifier

Product name MULTIS COMPLEX EP 1B

##### Other means of identification

Product Code(s) 088745

Number D3I  
Substance/mixture Mixture

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

Identified uses No information available

Uses advised against Do not use for any purpose other than the one for which it is intended.

##### Details of the supplier of the safety data sheet

Supplier TOTAL CANADA INC.  
220, LAFLEUR  
LASALLE, QUEBEC  
H8R 4C9  
Tel: (514) 595-7579  
Fax: (514) 595-5950

Contact Point service HSE

E-mail Address ProductSafety@total.com

##### Emergency telephone number

Emergency telephone 1-800-463-3955  
Company Phone Number +1 866 928 0789 (24h/24, 7d/7)  
+1 215 207 0061 (24h/24, 7d/7)

#### 2. HAZARDS IDENTIFICATION

##### Classification

Serious eye damage/eye irritation - Category 2A

##### Label elements

Version HGHS



SDS # : 088745

**MULTIS COMPLEX EP 1B**

Date of the previous version: not applicable

Revision Date: 2018-07-19

Version 1

**WARNING****Hazard Statements**

Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response****Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention

**Other information****Other hazards**

Causes mild skin irritation

**Physical-Chemical Properties**

Contaminated surfaces will be extremely slippery.

**Environmental properties**

Should not be released into the environment.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Mixture**

Chemical Name	EC-No	CAS-No	Weight %
Distillates (petroleum), solvent-dewaxed heavy paraffinic	265-169-7	64742-65-0	40-<70
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	272-028-3	68649-42-3	1-<5

**4. FIRST AID MEASURES****First aid measures for different exposure routes****General advice**

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR

Version HGHS



SDS # : 088745

**MULTIS COMPLEX EP 1B**

Date of the previous version: not applicable

Revision Date: 2018-07-19

Version 1

**EMERGENCY MEDICAL CARE.**

<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Immediate medical attention is required.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	Remove casualty to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Inhalation of high concentrations of vapor or aerosols may cause irritation of the upper respiratory tract. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	Rinse mouth. Remove person to fresh air and keep comfortable for breathing. Do not induce vomiting without medical advice. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs (aspiration). Get medical attention immediately if symptoms occur. Never give anything by mouth to an unconscious person.

**Most important symptoms/effects, acute and delayed**

<b>Skin contact</b>	Not classified based on available data. Prolonged or repeated contact may dry skin and cause irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Inhalation</b>	Not classified based on available data. Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Not classified based on available data. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Indication of immediate medical attention and special treatment needed, if necessary**

<b>Notes to physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES**

<b><u>Suitable Extinguishing Media</u></b>	Foam. Carbon dioxide (CO <sub>2</sub> ). ABC powder.
<b><u>Unsuitable Extinguishing Media</u></b>	Do not use a solid water stream as it may scatter and spread fire.
<b><u>Special Hazard</u></b>	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

Version HGHS



SDS # : 088745

## MULTIS COMPLEX EP 1B

Date of the previous version: not applicable

Revision Date: 2018-07-19

Version 1

### Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-essential personnel.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### General Information

Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery.

#### Other information

See Section 12 for additional information.

### Environmental precautions

#### General Information

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Try to prevent the material from entering drains or water courses.

### Methods and material for containment and cleaning up

#### Methods for cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Powdered material may form explosive dust-air mixtures. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Advice on safe handling

When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

#### Hygiene measures

Regular cleaning of equipment, work area and clothing is recommended. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. When using, do not eat, drink or smoke. Use personal protective equipment as required. Wash hands before breaks and at the end of workday. Wash hands with water as a precaution. Avoid breathing vapors, mist or gas. Do not wash off with: Fuel. Solvent. Abrasive. Avoid extended and repeated contact with the skin as this may cause skin conditions, which may also be aggravated by minor injuries or by contact with soiled clothing. Avoid prolonged and repeated contact with the skin, especially with used or waste product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into workwear pockets.

### Conditions for safe storage, including any incompatibilities

Version HGHS



SDS # : 088745

## MULTIS COMPLEX EP 1B

Date of the previous version: not applicable

Revision Date: 2018-07-19

Version 1

### Technical measures/Storage conditions

Keep away from food, drink and animal feedingstuffs. Keep in a bunded area. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture. Keep in properly labeled containers.

### Materials to Avoid

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure limits

Ingredients with workplace control parameters.

Mineral oil mist:

USA: OSHA (PEL) TWA 5 mg/m<sup>3</sup>, NIOSH (REL) TWA 5 mg/m<sup>3</sup>, STEL 10 mg/m<sup>3</sup>, ACGIH (TLV) TWA 5 mg/m<sup>3</sup> (highly refined).

### Legend

See section 16

### Exposure controls

#### Engineering Measures

Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

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

#### General Information

Protective engineering solutions should be implemented and in use before personal protective equipment is considered.

#### Eye/face protection

If splashes are likely to occur, wear safety glasses with side-shields.

#### Skin and body protection

Wear suitable protective clothing. Protective shoes or boots.

#### Hand Protection

Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

#### Respiratory protection

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.

Version HGHS



SDS # : 088745

**MULTIS COMPLEX EP 1B**

Date of the previous version: not applicable

Revision Date: 2018-07-19

Version 1

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and chemical properties**

Color	blue
Physical State @20°C	solid
Odor	Mild Petroleum distillates
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH		Not applicable	
Melting point/range		No information available	
Boiling point/boiling range		No information available	
Flash point		No information available	
Evaporation rate		No information available	
Flammability Limits in Air		No information available	
Vapor Pressure		No information available	
Vapor density		No information available	
Relative density		No information available	
Density	0.9 g/cm3		
Water solubility		Insoluble	
Solubility in other solvents		No information available	
logPow		No information available	
Autoignition temperature		No information available	
Decomposition temperature		No information available	
Viscosity, kinematic	> 21 mm2/s	@ 40 °C	
Explosive properties	No information available		
Oxidizing Properties	No information available		
Possibility of hazardous reactions	No information available		
<u>Other information</u>			
Freezing Point		No information available	

**10. STABILITY AND REACTIVITY**

<u>Reactivity</u>	None under normal processing.
<u>Chemical stability</u>	Stable under recommended storage conditions.
<u>Possibility of hazardous reactions</u>	None under normal processing.
<u>Conditions to avoid</u>	Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Take

Version HGHS



SDS # : 088745

**MULTIS COMPLEX EP 1B**

Date of the previous version: not applicable

Revision Date: 2018-07-19

Version 1

precautionary measures against static discharges. Strong oxidizing agents.

**Incompatible materials** Strong oxidizing agents.**Hazardous Decomposition Products** Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Skin contact</b>	Not classified based on available data. Prolonged or repeated contact may dry skin and cause irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Inhalation</b>	Not classified based on available data. Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Ingestion</b>	Not classified based on available data. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Acute toxicity - Product Information**

<b>Oral</b>	Not classified based on available data
<b>Dermal</b>	Not classified based on available data
<b>Inhalation</b>	Not classified based on available data

**Acute toxicity - Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (petroleum), solvent-dewaxed heavy paraffinic 64742-65-0	LD50 > 5000 mg/kg bw (rat - OECD 420)	LD50 > 5000 mg/kg bw (rabbit - OECD 402)	LC50 (4h) > 5.53 mg/l (aerosol) (rat - OECD 403)

<b>Skin corrosion/irritation</b>	Not classified based on available data.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	Not classified based on available data.
<b>Germ cell mutagenicity</b>	Not classified based on available data.
<b>Carcinogenicity</b>	Not classified based on available data.

<b>Reproductive toxicity</b>	Not classified based on available data.
<b>Target Organ Effects (STOT)</b>	None known.
<b>STOT - single exposure</b>	Not classified based on available data.

Version HGHS



SDS # : 088745

**MULTIS COMPLEX EP 1B**

Date of the previous version: not applicable

Revision Date: 2018-07-19

Version 1

**STOT - repeated exposure**  
**Aspiration hazard**

Not classified based on available data.  
 Not classified based on available data.

**12. ECOLOGICAL INFORMATION****Ecotoxicity****Acute aquatic toxicity - Product Information**

No information available

**Acute aquatic toxicity - Component Information**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to microorganisms
Distillates (petroleum), solvent-dewaxed heavy paraffinic 64742-65-0		LL50 (96h) > 100 mg/l (Oncorhynchus mykiss - OECD 203)	EL50 (48h) > 10000 mg/l (Daphnia magna - OECD 202)	

**Chronic aquatic toxicity - Product Information**

No information available

**Chronic aquatic toxicity - Component Information**

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Distillates (petroleum), solvent-dewaxed heavy paraffinic 64742-65-0		NOEL (21d) 10 mg/l (Daphnia magna - OECD 211)	NOEL (14/28d) > 1000 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	

**Effects on terrestrial organisms**      No information available.

**Persistence and degradability**

No information available

**Bioaccumulative potential**

**Product Information**      No information available.

Version HGHS





SDS # : 088745

## MULTIS COMPLEX EP 1B

Date of the previous version: not applicable

Revision Date: 2018-07-19

Version 1

logPow No information available

Component Information No information available.

### Mobility

Soil No information available

### Other adverse effects

General Information No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment

**Waste from residues/unused products** Dispose of waste in accordance with environmental legislation. Should not be released into the environment. Other Regulatory Status: No Canadian federal standard; however, for general discharge guidance, federal installations limited to 15 mg/L for total oil and grease. Provincial criteria are likely and should be requested when notifying provincial authorities.

**Contaminated packaging** Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

**TDG** Not regulated

**DOT** Not regulated

**MEX** Not regulated

**ICAO/IATA** Not regulated

**IMDG/IMO** Not regulated

**ADR/RID** Not regulated

**ADN** Not regulated

## 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) (SOR/2015/17) and the Safety Data Sheet (SDS) contains all the information required by the HPR

Version HGHS



SDS # : 088745

**MULTIS COMPLEX EP 1B**

Date of the previous version: not applicable

Revision Date: 2018-07-19

Version 1

**International Inventories**

All the substances contained in this product are listed or exempted from listing in the following inventories:  
 Canada (DSL/NDSL)  
 U.S.A. (TSCA)

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	<b>Health Hazard 1</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Special hazards -</b>
<b>HMIS</b>	<b>Health Hazard 1</b>	<b>Flammability 1</b>	<b>Physical Hazard 0</b>	<b>Personal protection X</b>

**Revision Date:** 2018-07-19  
**Revision Note** Initial Release

**Abbreviations, acronyms**

ACGIH = American Conference of Governmental Industrial Hygienists

bw = body weight

bw/day = body weight/day

EC x = Effect Concentration associated with x% response

GLP = Good Laboratory Practice

IARC = International Agency for Research of Cancer

LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals

LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals

LL = Lethal Loading

NIOSH = National Institute of Occupational Safety and Health

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOEL = No Observed Effect Level

OECD = Organization for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration

UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material

NTP = National Toxicology Program

**Section 8**

TWA - Time Weight Average

STEL - Short Term Exposure Limits

+	Sensitizer	*	Skin designation
C:	Carcinogen	R:	Toxic to reproduction
Ceiling:	Ceiling Limit Value		

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is

Version HGHS



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**SDS # :** 088745

## **MULTIS COMPLEX EP 1B**

**Date of the previous version:** not applicable

**Revision Date:** 2018-07-19

**Version** 1

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the user's responsibility to ensure that he is subject to no other obligations than those mentioned.

**End of the Safety Data Sheet**

Version HGHS