



SAFETY DATA SHEET

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

SDS # : 087250

AW 22

Date of the previous version: not applicable

Revision Date: 2018-03-20

Version 1

1. IDENTIFICATION

Product identifier

Product name AW 22

Other means of identification

Product Code(s) 087250

Number BIL
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

Emergency telephone number

Emergency telephone

Company Phone Number

1-800-463-3955

+1 866 928 0789 (24h/24, 7d/7)

+1 215 207 0061 (24h/24, 7d/7)

2. HAZARDS IDENTIFICATION

Classification

The product is not classified as hazardous according to WHMIS

Label elements

The product is not classified as hazardous according to WHMIS

Hazard Statements

None

Version HGHS



SDS # : 087250

AW 22

Date of the previous version: not applicable

Revision Date: 2018-03-20

Version 1

Other information**Other hazards**

Harmful to aquatic life

Physical-Chemical Properties

Contaminated surfaces will be extremely slippery.

Environmental properties

The product may form an oil film on the water surface that may stop the oxygen exchange.
Should not be released into the environment.

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

Chemical Name	EC-No	CAS-No	Weight %
Distillates (petroleum), hydrotreated light paraffinic	265-158-7	64742-55-8	10 -< 20
2,6-di-tert-butylphenol	204-884-0	128-39-2	0.1 -< 0.25

Additional information

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

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

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Eye contact

Rinse immediately with plenty of water and seek medical advice.

Skin contact

Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before reuse.

Inhalation

Move to fresh air.

Ingestion

Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.

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

Not classified based on available data. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.

Eye contact

Not classified based on available data.

Inhalation

Not classified based on available data. Inhalation of vapors in high concentration may cause irritation of respiratory system.

Version HGHS



SDS # : 087250

AW 22

Date of the previous version: not applicable

Revision Date: 2018-03-20

Version 1

Ingestion 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

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use CO2, dry chemical, or foam.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Special Hazard 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.

Explosion Data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

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 Ensure adequate ventilation. Do not touch or walk through spilled material. For personal protection see section 8.

Other information See Section 12 for additional information.

Environmental precautions

General Information 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 Keep in suitable, closed containers for disposal. 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).

Version HGHS



SDS # : 087250

AW 22

Date of the previous version: not applicable

Revision Date: 2018-03-20

Version 1

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Ensure adequate ventilation. When using, do not eat, drink or smoke. For personal protection see section 8.
Prevention of fire and explosion	Take precautionary measures against static discharges.
Hygiene measures	When using, do not eat, drink or smoke. Wear suitable gloves and eye/face protection. Wash hands before breaks and at the end of workday. Wash hands with water as a precaution. Regular cleaning of equipment, work area and clothing is recommended. Avoid breathing vapors, mist or gas.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions	Keep container tightly closed in a dry and well-ventilated place. 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).
Materials to Avoid	Oxidizing agents. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits	Mineral oil mist: USA: OSHA (PEL) TWA 5 mg/m ³ , NIOSH (REL) TWA 5 mg/m ³ , STEL 10 mg/m ³ , ACGIH (TLV) TWA 5 mg/m ³ (highly refined).
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Legend	See section 16
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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.
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Individual protection measures, such as personal protective equipment

General Information	If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.
Eye/face protection	If splashes are likely to occur, wear safety glasses with side-shields.

Version HGHS



SDS # : 087250

AW 22

Date of the previous version: not applicable

Revision Date: 2018-03-20

Version 1

Skin and body protection

Wear suitable protective clothing. Protective shoes or boots.

Hand Protection

Hydrocarbon-proof gloves. Fluorinated rubber. Nitrile rubber. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Color		red	
Physical State @20°C		liquid	
Odor		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		Not applicable	
Flash point	208 °C		Cleveland Open Cup (COC)
	406 °F		ASTM D 92
			Cleveland Open Cup (COC).
			ASTM D 92.
Evaporation rate		No information available	
Flammability Limits in Air		No information available	
upper	-	No information available	
Lower	-	No information available	
Vapor Pressure		No information available	
Vapor density		No information available	
Relative density	0.870	@ 15 °C	ASTM D 1298
Density	870 kg/m ³	@ 15 °C	ASTM D 1298
Water solubility		Not applicable	
Solubility in other solvents		No information available	
logPow		No information available	
Autoignition temperature		No information available	
Decomposition temperature		No information available	
Viscosity, kinematic	21 mm ² /s	@ 40 °C	ASTM D 445

Version HGHS



SDS # : 087250

AW 22

Date of the previous version: not applicable

Revision Date: 2018-03-20

Version 1

Explosive properties	4.2	@ 100 °C	ASTM D 445
Oxidizing Properties	Not explosive		
Possibility of hazardous reactions	Not applicable		
Other information	Not applicable		
Specific Gravity	0.870	@ 15 °C	ASTM D 1298
Freezing Point		No information available	
Pour point	-30 °C		ASTM D 97

10. STABILITY AND REACTIVITY

Reactivity	None under normal processing.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Heat, flames and sparks. Take precautionary measures against static discharges.
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin contact	Not classified based on available data. High pressure injection of the products under the skin may have very serious consequences even though no symptom or injury may be apparent.
Eye contact	Not classified based on available data.
Inhalation	Not classified based on available data. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	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

Oral	Not classified based on available data
Dermal	Not classified based on available data

Version HGHS



SDS # : 087250

AW 22

Date of the previous version: not applicable

Revision Date: 2018-03-20

Version 1

Inhalation

Not classified based on available data

ATEmix (inhalation-dust/mist)

40.10 mg/l

.000002 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

Acute toxicity - Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (petroleum), hydrotreated light paraffinic 64742-55-8	LD50 > 5000 mg/kg bw (rat - OECD 420)	LD50 > 5000 mg/kg bw (rabbit - OECD 402)	LC50 (4h) > 5 mg/l (aerosol) (rat - OECD 403)
2,6-di-tert-butylphenol 128-39-2	> 5000 mg/kg (Rat)	LD50 > 2000 mg/kg (Rabbit)	

Skin corrosion/irritation

Not classified based on available data.

Serious eye damage/eye irritation

Not classified based on available data.

Respiratory or skin sensitization

Not classified based on available data.

Germ cell mutagenicity

Not classified based on available data.

Carcinogenicity

Not classified based on available data.

Reproductive toxicity

Not classified based on available data.

Developmental Toxicity

None known.

STOT - single exposure

Not classified based on available data.

STOT - repeated exposure

Not classified based on available data.

Aspiration hazard

Not classified based on available data.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic life

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), hydrotreated light paraffinic 64742-55-8	EL50 (48h) > 100 mg (Pseudokirchnerella subcapitata - OECD 201)	LL50 (96h) > 100 mg/l (Oncorhynchus mykiss - OECD 203)	EL50 (48h) > 10000 mg/l (Daphnia magna - OECD 202)	
2,6-di-tert-butylphenol 128-39-2	EC50 (72h) 1.2 mg/l	LC50(96h) 1 mg/l (fish)	EC50 (48h) = 0.45 mg/L Daphnia magna	

Chronic aquatic toxicity - Product Information

Version HGHS



SDS # : 087250

AW 22

Date of the previous version: not applicable

Revision Date: 2018-03-20

Version 1

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), hydrotreated light paraffinic 64742-55-8		NOEL (21d) 10 mg/l (Daphnia magna - OECD 211)	NOEL (14/21d) > 1000 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	
2,6-di-tert-butylphenol 128-39-2			NOEC (28d) 0.3 mg/l (fish)	

Effects on terrestrial organisms**Persistence and degradability**

No information available

Bioaccumulative potential**Product Information****logPow** No information available**Component Information**

Chemical Name	log Pow
2,6-di-tert-butylphenol 128-39-2	4.48

Mobility**Soil** No information available**Other adverse effects****13. DISPOSAL CONSIDERATIONS****Waste treatment****Waste from residues/unused products**

Should not be released into the environment. Do not empty into drains. Dispose of in accordance with all applicable national environmental laws and regulations. Where possible recycling is preferred to disposal or incineration. 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

Version HGHS



SDS # : 087250

AW 22

Date of the previous version: not applicable

Revision Date: 2018-03-20

Version 1

notifying provincial authorities.

Contaminated packaging

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

<u>TDG</u>	Not regulated
<u>DOT</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO/IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>ADR/RID</u>	Not regulated
<u>ADN</u>	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

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

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

Revision Date: 2018-03-20
Revision Note Initial Release

Abbreviations, acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
bw = body weight
bw/day = body weight/day

Version HGHS



SDS # : 087250

AW 22

Date of the previous version: not applicable

Revision Date: 2018-03-20

Version 1

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

End of the Safety Data Sheet