SAFETY DATA SHEET

ABI Auxiliary Lube

SECTION 1: IDENTIFICATION

Product identifier used on a label:	**ABI Auxiliary Lube**
Product code:	5332P
Recommended use of the chemical and restrictions on use:	In multitude of applications indoor/outdoor in stationary and mobile equipment, in high and low temperatures requirements.
Chemical family:	Mixture.
Name, address and phone # of supplier:	Aqua Bond Inc. PO Box 63635, Woodside Square Toronto, ON, M1V 5J8 (416) 754-7211
24 Hr. Emergency phone #	**CANUTEC (613) 996-6666**

SECTION 2: HAZARDS IDENTIFICATION

Classification of the chemical:	This material is classified as non-hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).
Hazard classification:	Not applicable.
Label elements:	Not applicable.
Signal word:	Not applicable.
Hazard statements:	Not applicable.
Precautionary statements:	Not applicable.
Other hazards:	Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/ mixture: Mixture

Ingredient name	**CAS Number**	**Concentration (%)**
2,5-dimercapto-1,3,4-thiadiazole derivative	13539-13-4	0.1-<1%
Dinonyl napthalenesulfonic acid, barium salt	25619-56-1	0.1-<1%`
Zinc dialkyl dithiophosphate	68457-79-4	1-<2.5%

Concentrations are shown as ranges due to batch variation.

SECTION 4: FIRST-AID MEASURES

Description of first aid measures:

Ingestion	First aid is normally not required. Seek medical attention if discomfort occurs.
Inhalation	Not expected to be an inhalation hazard.
Skin contact	Wash contact areas with soap and water. If product is injected into or under th skin, seek immediate medical assistance.
Eye contact	Flush with water. If irritation occurs, get medical assistance.

Most important symptoms and effects, both acute and delayed:

Not available.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media:	
Suitable	Use water fog, foam, dry chemical or carbon dioxide to extinguish flames.
Unsuitable	Straight streams of water.
Special hazards arising from the substance:	None known.
Hazardous thermal decomposition products:	Aldehydes, oxides of carbon, smoke, sulphur oxides.
Special protective actions for fire-fighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
Environmental precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up:	Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large spill: Stop leak if without risk. Move containers from spill area. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
Special spill response procedures:	In case of transportation accident, contact CHEMTREC at 1-800-424-9300.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	Put on appropriate personal protective equipment. Avoid exposure -obtain special instructions before use. Do not handle until all safety precautions

	have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Conditions for safe storage:	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials, food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be resealed and kept upright. Do not store in unlabeled containers.
Incompatible materials:	Excess heat. Strong oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Exposure limits

Ingredient	**Exposure limits**
Dinonyl naphthalenesulfonic acid, barium salt	**ACGIH** TWA: 0.5 mg/m3

Engineering controls:	Use with adequate ventilation to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Individual protection measures:	Eyes/face: Chemical splash goggles. Skin: Chemical-resistant, impervious gloves. Respiratory: Wear appropriate respirator when ventilation is inadequate. Be sure to use a NIOSH approved respirator or equivalent.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark green semi-fluid.
Odor:	Characteristic.
Odor threshold:	Not available.
pH:	Not available.
Melting point:	Not available.
Freezing point:	Not available.
Initial boiling point and boiling range:	293°C
Flash point:	174°C
Evaporation rate:	Not available.
Flammability:	Flammable.
Upper and lower flammability limits:	Lower: 0.9%; Upper: 7%
Vapour pressure:	< 0.01kPa (0.08mm Hg) at 20°C

Vapour density:	>5 at 101 kPa
Relative density:	0.93
Solubility:	Negligible.
Partition coefficient n-octanol/water:	>3.5
Auto-ignition temperature:	>260°C
Decomposition temperature:	Not available.
Viscosity:	>20.5 cSt at 40°C

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Not reactive.
Chemical stability:	Stable.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	Excessive heat.
Incompatible materials:	Strong oxidizers.
Hazardous decomposition products:	Will not decompose under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure:	SKIN AND EYES: yes INHALATION: yes INGESTION: yes
Potential health effects (acute):	EYE: May cause mild discomfort. INHALATION: Minimally toxic. SKIN: Minimally toxic. INGESTION: Minimally toxic.
Delayed and immediate effects, chronic effects from short and long term exposure:	None expected.
Potential chronic health effects:	None expected.
Carcinogenicity:	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.
Sensitization:	No known significant effects or critical hazards.
Toxicological effects:	No known significant effects or critical hazards.
Aspiration hazard:	No known significant effects or critical hazards.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity	Not expected to be toxic.
Persistence and degradability	Biodegradable.

Bioaccumulative potential	Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.
Mobility in soil	Low solubility and is expected to migrate to land.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

SECTION 14: TRANSPORT INFORMATION

	TDG
UN Number:	Not regulated.
UN proper shipping name:	-
Transport hazard class:	-
Packing group:	-
Environmental hazard:	No.
Special precautions for user:	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: REGULATORY INFORMATION

Canada inventory (DSL): All components are listed.

SECTION 16: OTHER INFORMATION

Revision date: November, 2022
Revision number: 1
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Disclaimer

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