SAFETY DATA SHEET

Guardcoat™ Oil

SECTION 1: IDENTIFICATION

Product identifier used on a label:	**Guardcoat™ Oil**
Product code:	5048
Recommended use of the chemical and restrictions on use:	Emulsifiable corrosion protection oil.
Chemical family:	Mixture.
Name, address and phone # of supplier:	Aqua Bond Inc. PO Box 63635, Woodside Square Toronto, ON, M1V 5K2 (416) 754-7211
24 Hr. Emergency phone #	**CANUTEC (613) 996-6666**

SECTION 2: HAZARDS IDENTIFICATION

Classification of the chemical: 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:
ASPIRATION HAZARD- CATEGORY 1
SKIN CORROSION – CATEGORY 2
EYE IRRITATION- CATEGORY 2
REPRODUCTIVE TOXICITY- CATEGORY 2
STOT-SE- CATEGORY 2 (CNS, blood, kidney, liver)
STOT-RE – CATEGORY 2 (blood)

Label elements:



Signal word: DANGER

Hazard statements:
H315 Causes skin irritation.
H320 Causes eye irritation.
H361 Suspected of damaging fertility or the unborn child.
H371 May cause damage to CNS, blood, kidney and liver.
H373 May cause damage to blood through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.

Precautionary statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe vapours/ spray.
P270 Do not eat, drink or smoke when using this product.
P302+P352 IF ON SKIN: Wash with plenty of water.
P332+P313 If skin irritation occurs: Get medical attention.

P362+P364 Take off contaminated clothing and wash it before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical attention.
P308+P313 IF exposed or concerned: Call a POISON CENTER/doctor.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents in accordance with local/regional/national/ international regulations.

Other hazards: Not available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/ mixture: **Mixture**

Ingredient name	***CAS Number***	***Concentration (%)***
Petroleum oil	64742-57-0	40-50
Sodium sulfonate	68608-26-4	1-10
Ethanol, 2-butoxy-	111-76-2	1-5
TOFA	61790-12-3	5-10
Alkanolamine	N/A	20-30

Concentrations are shown as ranges due to batch variation.

SECTION 4: FIRST-AID MEASURES

Description of first aid measures:

Ingestion Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

Inhalation Remove the exposed person to fresh air and keep comfortable. Get medical attention if breathing is difficult. If the person is unconscious, give artificial respiration.

Skin contact Immediately rinse skin with running water for at least 15 minutes. If a rash develops, get medical attention.

Eye contact Get medical attention immediately. Check for and remove any contact lenses. Immediately flush eyes with running water for at least 30 minutes, keeping eyelids open.

Most important symptoms and effects, both acute and delayed:

This product is a skin and eye irritant. Keep away from eyes, clothes and skin. Do not breathe vapour or fumes as it may cause aspiration toxicity.

Indication of any immediate medical attention and special treatment needed:
Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media:	
Suitable	Carbon dioxide, dry chemical, foam, water spray.
Unsuitable	None known.
Special hazards arising from the substance:	Not available.
Hazardous thermal decomposition products:	Carbon dioxide and carbon monoxide. Aldehydes, carboxylic acids.
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. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. 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 CANUTEC (613) 996-6666.

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 vapour 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: Oxidizing agents, acids, organic material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Ingredient	***Exposure limits***
Petroleum oil	**ACGIH TLV** 5 mg/m3
Ethanol, 2-butoxy-	**ACGIH TLV** TWA: 20 ppm **NIOSH PEL** TWA: 50 ppm skin **IDLH** 700 ppm

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 and face shield.
Skin: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
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:	Brown liquid.
Odor:	Faint petroleum.
Odor threshold:	Not available.
pH:	9-10 (10% solution)
Melting point:	Not available.
Freezing point:	Not available.
Initial boiling point and boiling range:	Not available.
Flash point:	Not applicable.
Evaporation rate:	Not available.
Flammability:	Not flammable.
Upper and lower flammability limits:	Not applicable.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	0.8-1
Solubility:	Miscible.
Partition coefficient n-octanol/water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	Stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	Excessive heat, sparks, flame.
Incompatible materials:	Oxidizing agents, acids, organic material.
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: Causes eye irritation. Adverse symptoms may include pain, watering, redness. INHALATION: May cause respiratory tract irritation. SKIN: Causes skin irritation and swelling. INGESTION: Harmful if swallowed. Corrosive to digestive tract.
Delayed and immediate	This product is a skin and eye irritant. Short term effect of acute inhalation

effects, chronic effects from short and long term exposure: is CNS depression, blood and kidney effects.

Potential chronic health effects: Long term exposure causes blood effects.

Carcinogenicity: None of the ingredients are listed as suspected carcinogens.

Germ cell mutagenicity: No known significant effects or critical hazards.

Reproductive toxicity: One of the components in the product is associated with embryotoxicity in animals.

Sensitization: No known significant effects or critical hazards.

Toxicological effects:

Acute toxicity:

Product	*Result*	*Species*	*Dose*	*Exposure*
Ethanol, 2-butoxy-	LD50 oral	Rat	1746 mg/kg	-
	LD50 dermal	Rabbit	135 mg/kg	-
Sodium sulfonate	LD50 oral	Rat	>6000 mg/kg	-

Acute toxicity estimate:

Route	*ATE value*
Oral	52,447 mg/kg

Specific target organ toxicity- single exposure:

Product	*Category*	*Target organ*
Ethanol, 2-butoxy-	1	CNS, blood, kidney, liver

Specific target organ toxicity- repeated exposure:

Product	*Category*	*Target organ*
Ethanol, 2-butoxy-	2	Blood

Aspiration hazard: Not available.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity :

Name	*Result*	*Species*	*Exposure*
Ethanol, 2-butoxy-	LC50 >116mg/L	Sheephead minnow	96 hours

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of

surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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: February 12, 2024

Revision number: 2

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

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