SAFETY DATA SHEET

Spotless™ AL6000

SECTION 1: IDENTIFICATION

Product identifier used on a label:	**Spotless™ AL6000**
Product code:	5315
Recommended use of the chemical and restrictions on use:	Cleaner for aluminum substrates.
Chemical family:	Mixture.
Name, address and phone # of supplier:	Aqua Bond Inc. PO Box 63635 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:
SKIN IRRITATION- CATEGORY 2
EYE IRRITATION- CATEGORY 2

Label elements:



Signal word: Warning

Hazard statements:
H315 Causes skin irritation.
H320 Causes eye irritation.

Precautionary statements:
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water.
P332+P313 If skin irritation occurs: Get medical advice.
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 advice.

Other hazards: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/ mixture: Mixture

Ingredient name	CAS Number	Concentration (%)
Tetrapotassium pyrophosphate	7320-34-5	3-5
Sodium metasilicate	6834-92-0	1-3
Polyoxyethylene phenyl phosphate, potassium salt	72283-31-9	5-10
Methyl-oxyrane polymer	9003-11-6	8-12
Poly(oxy-1,2-ethanediyl), α-(phenylmethyl)-ω-[(1,2,3,3-tetramethylbutyl)phenoxy]	60864-33-7	1-5
Sodium glucopheptonate	31138-65-5	4-10

Concentrations are shown as ranges due to batch variation.

SECTION 4: FIRST-AID MEASURES

Description of first aid measures:

Ingestion	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. Maintain an open airway.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If complication occur, contact medical center.
Skin contact	Rinse with water and soap.
Eye contact	Immediately flush eyes with running water for at least 30minutes, keeping eyelids open. Contact doctor if irritation develops.

Most important symptoms and effects, both acute and delayed:
Product is an irritant. Avoid contact with skin and eyes.
Indication of any immediate medical attention and special treatment needed:
None.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable	None known.
Special hazards arising from the substance:	None known.
Hazardous thermal decomposition products:	Carbon oxides, 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. 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. 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. 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. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.
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:	Strong acids and oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Exposure limits

Ingredient	**Exposure limits**
Tetrapotassium pyrophosphate	**OSHA PEL** TWA: 15 mg/m3-particulate TWA: 5mg/m3-respirable
Sodium metasilicate	Not listed.
Polyoxyethylene phenyl phosphate, potassium salt	Not available.
Methyl-oxyrane polymer	Not available.
Poly(oxy-1,2-ethanediyl), α-(phenylmethyl)-ω-[(1,2,3,3-tetramethylbutyl)phenoxy]	Not available.
Sodium glucopheptonate	Not available.
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.
Odour:	Mild.
Odour threshold:	Not available.
pH:	12.6 – 13.2
Melting point:	Not available.
Freezing point:	Not available.
Initial boiling point and boiling range:	100-110°C
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:	1.09
Solubility:	Soluble.
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:	None.
Incompatible materials:	Strong acids and 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: Irritating to eyes. INHALATION: May irritate respiratory tract. SKIN: May cause irritation. INGESTION: Harmful if swallowed.
Delayed and immediate effects, chronic effects from short and long term exposure:	The product has a pH value of over 9 which may cause irritation and burns when in prolonged contact with skin, eyes or is ingested.
Potential chronic health effects:	No known significant effects or critical hazards.
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:	There are no data available on the mixture itself.

Toxicological effects:
Acute toxicity:

Product	Result	Species	Dose	Exposure
Sodium metasilicate	LD50 oral	Rat	1280 mg/kg	-

Acute toxicity estimate:

Route	ATE value
Oral	61,349 mg/kg

Irritation/corrosion:

Product	Result	Species	Score	Exposure
Tetrapotassium pyrophosphate	Skin/eye irritant	-	-	-
Sodium metasilicate	Skin/ eye corrosive	-	-	-
Polyoxyethylene phenyl phosphate, potassium salt	Skin/eye irritant	-	-	-

Specific target organ toxicity single exposure: Not available.
Specific target organ toxicity repeated exposure: Not available.
Aspiration hazard: Not available.

SECTION 12 ECOLOGICAL INFORMATION
Toxicity
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:	UN1760
UN proper shipping name:	Corrosive liquid, N.O.S. (Sodium Metasilicate)
Transport hazard class:	8
Packing group:	III
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): At least one component is listed.

SECTION 16: OTHER INFORMATION

Revision date: November 13, 2023
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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