SAFETY DATA SHEET

Uberkote™ Sn Regenerator

SECTION 1: IDENTIFICATION

Product identifier used on a label:	**Uberkote™ Sn Regenerator**
Product code:	5360
Recommended use of the chemical and restrictions on use:	Additive for tin plating
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:	Not classified for physical or health hazards under GHS.
Hazard classification:	Not applicable.
Label elements:	Not applicable.
Signal word:	Not applicable.
Hazard statements:	No significant hazard.
Precautionary statements:	P262 Do not get in eyes, on skin, or on clothing. PP280 Wear protective gloves/clothing/eye and face protection. P501 Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards:	Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/ mixture: Mixture

Ingredient name	**CAS Number**	**Concentration (%)**
Copolymer of epichlorhydrine and dimethylamine	25988-97-0	10-20
Water	7732-18-5	80-90

Concentrations are shown as ranges due to batch variation.

SECTION 4: FIRST-AID MEASURES

Description of first aid measures:

Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING.
Inhalation	Move the exposed person to fresh air.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.

Most important symptoms and effects, both acute and delayed:

Ingestion	May cause irritation to mucous membranes.
Inhalation	May cause irritation to respiratory system.

Skin contact	May cause irritation to skin.
Eye contact	May cause irritation to eyes.

Indication of any immediate medical attention and special treatment needed:

Ingestion	May cause irritation to mucous membranes.
Inhalation	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.

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:	Burning produces irritating, toxic and obnoxious fumes.
Hazardous thermal decomposition products:	Carbon dioxide and carbon monoxide. Nitrogen and sulphur oxides. Metal 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:	Ensure adequate ventilation of the working area.
Environmental precautions:	Do not allow product to enter drains. Prevent further spillage if safe.
Methods and materials for containment and cleaning up:	Surfaces contaminated with the product will become slippery. Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
Special spill response procedures:	In case of transportation accident, contact CANUTEC (613) 996-6666.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Conditions for safe storage:	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
Incompatible materials:	Not known.

Specific end use(s): Flocculant.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:	No data available.
Exposure limits:	No data available.
Engineering controls:	Ensure adequate ventilation of the working area.
Individual protection measures:	Wear protective clothing. In case of splashing, wear: Approved safety goggles and chemical resistant gloves (PVC)..

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless liquid.
Odour:	Mild.
Odour threshold:	Not available.
pH:	5-7.
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:	1.03 - 1.05
Solubility:	Soluble in water, hot or cold.
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 under normal conditions..
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	Not known.
Incompatible materials:	Strong oxidising agents. Strong acids. Strong bases.
Hazardous decomposition products:	Will not decompose under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential health effects (acute):	No data is available on this product.
Delayed and immediate effects, chronic effects from short and long term exposure:	No data is available on this product.
Potential chronic health effects:	No data is available on this product.
Carcinogenicity:	No data is available on this product.
Mutagenicity:	No data is available on this product.
Teratogenicity:	No data is available on this product.
Developmental effects:	No data is available on this product.
Fertility effects:	No data is available on this product.
Sensitization:	No data is available on this product.

Toxicological effects:

Acute toxicity:

Product	**Result**	**Species**	**Dose**	**Exposure**
Copolymer of epichlorhydrine and dimethylamine	LD50 oral	Rat	2000 mg/kg	-

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Name	**Result**	**Species**	**Exposure**
Copolymer of epichlorhydrine and dimethylamine	EC50 10.000 mg/l	Daphnia	48 hours
	LC50 10.000 mg/l	Fish	96 hours

Persistence and degradability:	No data is available on this product.
Bioaccumulative potential:	No data is available on this product.
Mobility in soil:	No data is available on this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods:	Dispose of in compliance with all local and national regulations. Contact a licensed waste disposal company. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

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): At least one component is not listed.

SECTION 16: OTHER INFORMATION

Revision date: June 17, 2024
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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