

SAFETY DATA SHEET

Section 1 : Chemical Product and Company Identification

Biocides and Biofilm Removal

Name: **KURITA-GK-CHEMICAL CO.LTD**

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Section 2 : Composition/ Information on Ingredients

GHS Classification

Acute toxicity (Dermal: Category 4

Eye irritation: Category 2B

Hazard pictograms



Signal Word: Caution

Hazard Statements: Harmful in contact with skin.

Causes eye irritation.

Precautionary Statements: **Prevention:**

Wash skin thoroughly after handling.

Response:

IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/ physician if you feel unwell. If eye irritation persists: Get medical advice/ attention. Wash contaminated clothing before reuse.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Section 3 : Hazards Identification

Ingredient Name	CAS Number	% wt	OSHA PEL TWA STEL	ACGIH TLV TWA STEL	Other
Quaternary ammonium Compound polyethoxylate Non Hazardous Ingredients	Not listed	25- 30 75 - 80	None Est. None Est.	None Est. None Est.	
TOTAL		100			

Section 4 : First Aid Measures

Inhalation : Remove person out of contaminated area to fresh air. If breathing has stopped artificial respiration should be started. Oxygen may be administered if readily available. Seek medical attention immediately.

Eye Contact : Flush eyes with a large amount of water for 15 minutes. Seek medical attention IMMEDIATELY. After first aid, get appropriate in-plant, paramedic or community medical support.

Skin Contact : Wash affected areas thoroughly with soap and water for at least 15 minutes. Seek medical attention if any irritation persists.

Ingestion : If swallowed, give large quantities of water to drink. If available give several glasses of milk. DO NOT induce vomiting. After first aid, IMMEDIATELY seek appropriate in-plant, paramedic, or community medical support. Never give anything by mouth to an unconscious person.

Section 5 : Fire-Fighting Measures

Flash Point : Non-Flammable
Flash Point Method : N/A
Burning Rate : N/A
Auto-ignition Temperature : Does not burn
LEL : N/A
UEL : N/A
Extinguishing Media : Water fog, Alcohol foam, Carbon Dioxide, Dry Chemical
Unusual Fire or Explosion Hazards : None known other than material can splatter above 100°C/120°F
Hazardous Combustion Products : Carbon monoxide might be released
Fire-Fighting Instructions : Do not release runoff from fire control methods to sewers or waterways.
Fire-Fighting Equipment : Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

Section 6 : Accidental Release Measures

Spill/Leak Procedures

Small Spills : Absorb spill with paper towel or similar absorbent; or flush to sewer or ground with large amounts of water.

Large Spills

Containment : For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways. Absorb spill with vermiculite, oil dry or similar non-reactant absorbent.

Cleanup : Accumulate the absorbed materials and dispose of according to federal, state and local regulations.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120)

Section 7 : Handling and Storage

Handling Precautions : Use the recommended safety controls and personal protective equipment as outlined. Fully review all data before handling of the material itself. Avoid contact with skin or eyes. Avoid breathing dust or mist. Keep from contact with clothing and other combustible materials. Observe good personal hygiene and housekeeping practices.

Storage Requirements : Do not store this material near any strong acids, bases, oxidizers, flammables or any other type of reactive material. Do not expose the material to extremes temperature.

Regulatory Requirements : Store materials according to all local, state and federal guidelines that are established for corrosive material.

Section 8 : Exposure Controls/Personal Protection

Engineering Controls

: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls

Respiratory Protection : Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessel, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment : Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye-and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations : Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment : Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments : Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 : Physical and Chemical Properties

Physical State : Clear to pale yellow liquid
Odor : Slight ammonia
PH : 6 – 8
Specific Gravity : 0.95 – 1.15

Section 10 : Stability and Reactivity

Stability : This product is stable at room temperature in closed containers under normal storage and handling conditions. However, avoid extreme temperature.

Polymerization : Hazardous polymerization will not occur.

Chemical Incompatibilities : Strong Acids, Leather, Wool, Aluminum, Zinc, Tin and alloys, Oxidizers or any other type of reactive material.

Conditions to Avoid : Contact with any reactive material of any sort.

Hazardous Decomposition

Products : There are no known hazardous decomposition products for this material unless the material is burned in which case undetermined evolution of toxic gases may occur.

Section 11 : Toxicology Information

Eye Effects : Irritation to eyes and possible burning if materials are not immediately rinse from the eyes

Skin Effects : Irritation to skin

Chronic Effects : Not determined for this specific blend

Teratogenicity : Not determined for the blend

Mutagenicity : Non mutagenetic

Carcinogenesis : Non carcinogenic



Section 12 : Ecological Information

Eco-toxicity : No specific data is available on this product. However, for the chemical components which make up this product, there may be specific data available and in the public domain. Consult the data available for each individual raw material component.

Environmental Fate : Ground and/or water

Environmental Degradation : N/A

Soil Absorption/Mobility : No studies have been conducted for this blend

Section 13 : Disposal Considerations

Disposal : Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable federal, state and local regulations.

Disposal Regulatory Requirements

Container Cleaning and Disposal : Triple rinse the empty containers with water before disposal to re-conditioner or land fill or garbage.

Section 14 : Transport Information

Not classified as dangerous in the meaning of transport regulations.

Section 15 : Regulatory Information

State Regulations: As a product blend, the materials are generally not listed. Check with your local state regulatory board for more detailed information regarding the specific components of this product.

Section 16 : Other Information

Disclaimer:

USERS RESPONSIBILITY

The information and recommendations contained herein cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

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