



P.O. BOX 11331 • CINCINNATI, OHIO 45211
(513) 353-3000 • FAX (513) 353-1090

Material Safety Data

SECTION 1	CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	PAGE 1 OF 4
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PRODUCT NAME:....MAINTAIN CLARIFIER; AQUAMATE CLARIFIER

DATE: 02/06/02

ITEM # 2400, 2401, 1-2400, 1-2401

PRODUCT ID: 5700

SYNONYMS: NONE

CHEMICAL FAMILY: CATIONIC POLYMER

DESCRIPTION: COAGULANT

OSHA HAZARD CLASSIFICATION: THIS PRODUCT IS NOT CONSIDERED TO BE HAZARDOUS PER 29 CFR 1910.1200.

BALECO INTERNATIONAL INC
3200 STATELINE ROAD
NORTH BEND, OHIO 45052

EMERGENCY PHONE NUMBERS 24-HOUR PHONE NUMBER: 517-636-4400 CHEMTREC: 1-800-424-9300 INFORMATION (304)746-3000

SECTION 2	COMPOSITION / INFORMATION ON INGREDIENTS
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OSHA REGULATED COMPONENTS

<u>COMPONENT</u>	<u>CAS NO. %</u>	<u>TWA/CEILING</u>	<u>REFERENCE</u>
NO PERMISSIBLE EXPOSURE LIMITS (PEL/TLV) HAVE BEEN ESTABLISHED BY OSHA OR ACGIH			

SECTION 3	HAZARDS IDENTIFICATION
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EMERGENCY OVERVIEW

APPEARANCE AND ODOR: Off-White Granular Solid; Odorless

STATEMENTS OF HAZARD: IMPORTANT! Spills of this product are very slippery when wet.

POTENTIAL HEALTH EFFECTS

EFFECTS OF OVEREXPOSURE: This product has an acute oral (rat) LD50 and an acute dermal (rabbit) LD50 > 2.5 G/KG and > 10.0 G/KG respectively. The 4-hour inhalation LC50 (rat) is estimated to be greater than 20 MG/L. This product produced no eye irritation and no dermal irritation during primary irritation tests in rabbits.

SECTION 4 FIRST AID MEASURES

MATERIAL IS NOT EXPECTED TO BE HARMFUL BY INGESTION. NO SPECIFIC FIRST AID MEASURES ARE REQUIRED.

In case of **Skin Contact**, wash affected areas of skin with soap and water.

In case of **Eye Contact**, immediately irrigate with plenty of water for 15 minutes.

Material is not expected to be harmful **If Inhaled**, remove to fresh air.

SECTION 5 FIRE FIGHTING MEASURES**FLAMMABLE PROPERTIES**

FLAMMABILITY DATA:

FLASHPOINT: >93 Deg.C (>200 Deg.F)

FLAMMABLE: NO

COMBUSTABLE: NO

FLAMMABLE LIMITS (% BY VOLUME): Not Applicable

PYROPHORIC: NO

AUTOIGNITION TEMP: Not Available

DECOMPOSITION TEMP: Not Available

EXTINGUISHING MEDIA AND FIRE FIGHTING INSTRUCTIONS

This material will not burn readily. use an extinguishing media appropriate for the surrounding fire. Wear self-contained, positive pressure breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Spilled material becomes very slippery when wet.

Sweep up spills and place in a waste disposal container.

Flush the area thoroughly with water and scrub to remove residue.

If slipperiness remains, apply more dry-sweeping compound.

DO NOT flush large quantities of the material to sewer.

SECTION 7 HANDLING AND STORAGE

Spills should be scooped up or wiped up immediately, and the spill area flushed with water.

Maintain good housekeeping to control dust accumulations. The material is hygroscopic and should not be exposed to moisture in order to maintain product.

To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Engineering controls are not usually necessary if good hygiene practices are followed.

Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

Avoid unnecessary skin contact. Impervious gloves are recommended to prevent prolonged skin contact.

For operations where eye or face contact can occur, eye protection is recommended.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: BLUE LIQUID; ODORLESS

FREEZING POINT: -2.8-0 Deg.C (27-32 Deg. F)

BOILING POINT: >100 Deg. C (>212 Deg. F)

MELTING POINT: NOT AVAILABLE

VAPOR PRESSURE: @ 25 DEG. C: Same as water

SPECIFIC GRAVITY: 1.00-1.033; g/ml

VAPOR DENSITY: Same as water

% VOLATILE (BY WT): 10-13; (WATER)

DENSITY: 1.09 (g/ml)

pH: 6-8; (AQUEOUS SOLUTION)

SATURATION IN AIR (% BY BOL): NOT APPLICABLE

EVAPORATION RATE: 1 (water=1)

SOLUBILITY IN WATER: LIMITED BY VISCOSITY (Completely soluble)

SECTION 10 STABILITY AND REACTIVITY

STABILITY: STABLE, at room temperature.

CONDITIONS TO AVOID: None Known

POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: None Known

INCOMPATIBLE MATERIALS: Strong Oxidizing Agents

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce Carbon Monoxide, Carbon Dioxide, Ammonia, and/or Oxides of Nitrogen.

SUMMARY OF REACTIVITY:

OXIDIZER: NO

PYROPHORIC: NO

ORGANIC PEROXIDE: NO

WATER REACTIVE: NO

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under section 3. Hazards identification. Toxicological information on the OSHA regulated components of this product is as follows:

This product contains no OSHA regulated (hazardous) components.

This product contains (a) chemical (s) known to the state of California to cause cancer.

SECTION 12 ECOLOGICAL INFORMATION

Based on the results of a 5-day biodegradability assay, this product is not READILY BIODEGRADABLE (<10% AFTER 28 DAYS). Chemical Oxygen Demand (COD): -0.29 mg O₂/mg.

Marine Copepod (ACARTIA TONSA), 48 HR LC50: 342 mg/L; Marine Algae (SKELETONEMA

COSTATUM), 72 HR LC50: 2276 mg/L; Marine Amphipod (COROPHIUM VOLUTATOR), 10-DAY LC50: 1415 mg/L SEAWATER BOD 28: 1.7%

LC50

BLUEGILL, 96 HOUR: 180 mg/L
TROUT, 96 HOUR: 130 mg/L
FATHEAD MINNOW: 670 mg/L
DAPHNIA, 48 HOUR: > 1000mg/L
WATER FLEA CERR: 24 mg/L

OCTANOL/H2O PARTITION COEF: Not Available

SECTION 13**DISPOSAL CONSIDERATIONS**

The information on RCRA waste classification and disposal methodology provided below applies only to the Baleco int'l product, as supplied. If the material has been altered or contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulation (40cfr part 251 et SEQ) is dependent upon whether a material is RCRA "listed hazardous waste" or has any of the four RCRA "hazardous waste characteristics." Refer to 40 CFR part 261.33 to determine if a given material to be disposed of is a RCRA "listed hazardous waste"; information contained in section 15 of this MSDS is not intended to indicate if the product is a "listed hazardous waste." RCRA hazardous waste characteristic. There are four characteristics defined in 40 CFR section 261.21-61.24: ignitability, corrosivity, reactivity, and toxicity. To determine ignitability, see section 5 of this MSDS (flash point). For corrosivity, see sections 9 and 14 (ph and dot corrosivity). For reactivity, see section 10 incompatible materials). For toxicity, see section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. Baleco int'l encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. Baleco int'l recommends that organic materials classified, as RCRA hazardous wastes are disposed have by thermal treatment or incineration at EPA approved facilities. Baleco int'l has provided the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method.

SECTION 14**TRANSPORT INFORMATION**

HAZARD CLASSIFICATION (DOT): Not Classified As Hazardous

SECTION 15**REGULATORY INFORMATION****INVENTORY INFORMATION**

US TSCA: This product is manufactured in compliance with all provisions of the toxic substances control ACT, 15 U.S.C. 2601 ET. SEQ.

CANADA DSL: Components of this product have been reported to environment Canada in accordance with subsection 25 of the Canadian environmental protection act and are included on the domestic substances list.

EEC: EINECS: All components of this product are included in the European inventory of existing chemical substances (EINECS) in compliance with council directive 67/548/EEC and its amendments.