

MATERIAL SAFETY DATA SHEET

BAYSİZE H

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

BAY KİM

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PRODUCT IDENTIFICATION

Product Name : BAYSİZE H
Chemical Name : n.a.
Synonyms : Mixture.
Chemical Family : Enzyme and surfactant
Molecular Formula : n.a.
Product Use : Desize.
Cas N° : Not available
WHMIS Class./Symbol : D-2B, toxic (Skin and Eyes. Irritant)

Read the entire MSDS for the complete hazard evaluation of this product

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Cause skin and eye irritation. High vapor concentration may cause drowsiness. May cause central nervous system (CNS) depression. Can decompose at high temperatures forming toxic gases. Contents may develop pressure on prolonged exposure to heat. Repeated inhalation of enzyme aerosol or dust, resulting from improper handling, may cause sensitization and may cause allergic type reactions in sensitized individuals.

POTENTIAL HEALTH EFFECTS

Inhalation: Excessive contact with mist or spray may cause irritation of mucous membranes, coughing and difficulty in breathing. Vapour from warmed or heated material may cause nausea and dizziness.

Skin Contact: Prolonged and repeated contact may lead to dermatitis. May cause defeating, drying and cracking of the skin. Skin contact can cause irritation, especially under the fingernails (and other confined spaces such as under rings or watch bands).

Skin Absorption: A single, prolonged skin exposure is not likely to result in the absorption of toxic amounts of the material.

Eye Contact: This product causes irritation, redness and pain.

Ingestion: This product causes irritation, a burning sensation of the mouth and throat and abdominal pain.

Other Health Effect: effects on the skin and eyes may be delayed, and damage may occur without the sensation of pain. Strict adherence to first aid measures following any exposure is essential.

3. COMPOSITION, INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS N°	ACGIH TVL	%
Proprietary	-	-	-

4. FIRST AID MEASURES

FIRST AID PROCEDURES

Inhalation: Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse obtain medical attention IMMEDIATELY.

Skin Contact: Start flushing while removing contaminated clothing. Wash affected areas thoroughly with soap and water. If irritation, redness, or a burning sensation develops and persists, obtain medical advice.

Eye Contact: Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention IMMEDIATELY.

Ingestion: DO not attempt to give anything by mouth to an unconscious person. If victim is alert and not convulsing, rinse mouth out and give ½ to 1 glass of water to dilute material. IMMEDIATELY contact local Poison Control Center. Vomiting should only be induced under the direction of a physician or a poison control center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. IMMEDIATELY transport victim to an emergency facility.

Note to Physicians: This product contains materials that may cause severe pneumonitis if aspirated. If ingestion has occurred less than 2 hours earlier, carry out careful gastric washed; use endotracheal cuff if available, to prevent aspiration. Observe patient for respiratory difficulty from aspiration pneumonitis. Give artificial resuscitation and appropriate chemotherapy if respiration is depressed. Medical conditions that may be aggravated by exposure to this product include diseases of the skin, eyes or respiratory tract.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flammability Class (WHIMIS)	: Not regulated
Flash Point (TCC, Deg. Celsius)	: Greater than °C
Autoignition Temperature (Deg. Celsius)	: Greater than °C
Flammability Limits in Air (%)	: LEL: n.a.i. ; UEL: n.a.i.
Hazardous Combustion Products	: Thermal decomposition product are toxic and may include oxides of carbon and irritating gases
Unusual Fire or Explosion Hazards	: Do not direct a solid stream of foam into hot, burning pools. This may cause spattering and increase fire intensity. Closed containers exposed to heat may explode. This material may produce a floating fire hazard in extreme fire conditions. Spilled material may cause floors and contact surfaces to becomes slippery
Sensitivity to Mechanical Impact	: Not expected to be sensitive to mechanical impact.
Rate of Burning	: n.a.i.
Explosive Power	: n.a.i.
Sensitivity to Static Discharge	: Not expected to be sensitive to static discharge.

EXTINGUISHING MEDIA

Use carbon dioxide or dry chemical media for small fires. If only water is available, use it in the form of a fog.

FIRE FIGHTING INSTRUCTIONS

Instruction to the Fire Fighters: Isolated materials that are not involved in fire and protect personnel. Cool containers with flooding quantities of water until well after the fire is out. Spilled material may cause floors and contact surface to become slippery.

Fire Fighting Protective Equipment: Use self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Information in this section is for responding to spills, leaks or releases in order to prevent or minimize the adverse effects on persons, property and the environment. There may be specific reporting requirement associated with spills, leaks or releases, which change from region to region. The responsibility of reporting lies directly with the handlers of the substance.

Containment and Clean-Up Procedures: In all cases of leaks or spill contact vendor at Emergency Number show on the front page of this MSDS. Wear protective clothing. Collect product for recovery or disposal. For release to land, or storm water runoff, contain discharge by construction dykes or applying inert absorbent; for release to water, utilize damming and/or water diversion to minimize the spread of contamination. Ventilate enclosed space. Notify applicable government authority if release is reportable or could adversely affect the environment.

7. HANDLING AND STORAGE

HANDLING

Handling Practices: Use normal industrial hygiene and housekeeping practices. Containers which have been exposed to head may be under internal pressure. These should be cooled and carefully vented before opening. A face shield and apron should be worn. Vent container frequently, and more often in warm weather, to relieve pressure.

Ventilation Requirements: Local exhaust ventilation preferred.

Other Precautions: Use only with adequate ventilation and avoid breathing vapours and aerosols. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Wash contaminated clothing thoroughly before re-use.

STORAGE

Storage Temperature (Deg. Celsius): See below

Ventilation Requirements: General exhaust is acceptable.

Storage Requirements: Store in a cool, well-ventilated area. Keep away from heat, sparks and flames. Keep containers closed. Do not expose sealed containers to temperatures above 5 °C. Avoid moisture contamination. Protect from direct sunlight. Protect against physical damage.

Special Materials to be Used for Packing or Containers: Confirm suitability of any material before using.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Recommendations listed in this section indicate the type of equipment, which will provide protection against overexposure to this product. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective device at your workplace.

ENGINEERING CONTROLS

Engineering Controls: General exhaust is acceptable. Local exhaust ventilation preferred. Make up air should be supplied to balance air that is remove by local or general exhaust ventilation. Ventilated low lying areas such as sumps or pits where dense vapours may collect.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye Protection: Safety glasses with side shields are recommended to prevent eye contact. Use chemical safety goggles when there is potential for eye contact. Prior to use, user should confirm impermeability.

Skin Protection: Gloves and protective clothing made from rubber or plastic should be impervious under conditions of use. Discard contaminated gloves. Prior to use, user should confirm impermeability.

Respiratory Protection: No specific guidelines available. Do not use compressed oxygen in hydrocarbon atmospheres. A NIOSH/MSHA-approved air-purifying respirator equipped with organic vapours cartridges for concentrations up to 1 000 ppm organic vapours. An air-supplier respirator if concentrations are higher or unknown

Other Personal Protective Equipment: Wear an impermeable apron and boots. Locate safety shower and eyewash station close to chemical handling area. Take all precautions to avoid personal contact.

EXPOSURE GUIDELINES

Recommended Exposure Limit: None established for this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid, clear.
Appearance and Odor	: Dark brown.
Odor Threshold (ppm)	: Characteristic.

Boiling Range (Deg. Celsius)	: n.a.i.
Melting/Freezing Point (Deg Celsius)	: n.a.i.
Vapor Pressure (mmHg at 20 °C)	: n.a.i.
Vapor Density	: n.a.i.
Relative Density	: 0.979 g/ml. Approx.
Bulk Density	: n.a.i.
Viscosity	: n.a.i.
Evaporation Rate (Butyl Acetate = 1.0)	: n.a.i.
Water Solubility	: Soluble
Volatility (%) by Volume	: n.a.i.
pH	: 5.5 - 7
Coefficient of Water/Oil Distribution	: n.a.i.
Volatile Organic Compounds (VOC)	: n.a.i.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY

Under Normal Conditions	: Stable
Under Fire Conditions	: Flammable
Hazardous Polymerization	: Will not occur

Condition to Avoid: High temperature, sparks, open flames and all other sources of ignition.

Materials to Avoid: Strong oxidizers. Lewis or mineral acids.

Decomposition or Combustion Products: Thermal decomposition products are toxic and may include oxides of carbon and irritating gases.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA

Carcinogenicity Data: The ingredient of this product is not classified as carcinogenic (ACGIH or IARC or OSHA and NTP).

Reproductive Data: NO information is available and no adverse reproductive effects are anticipated.

Mutagenicity Data: NO information is available and no adverse reproductive effects are anticipated.

Teratogenicity Data: NO information is available and no adverse reproductive effects are anticipated.

Respiratory/Skin Sensitization Data: Repeated inhalation of product aerosol, resulting from improper handling, may cause sensitization and may cause allergic type reactions in sensitized individuals. Prolonged skin contact may cause irritation.

Synergistic Materials: None known

Other Studies Relevant to Material: None known

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available. May be harmful to aquatic life

Environmental Fate: Not available. Can be dangerous if allowed to enter drinking water intakes. Do not contaminated domestic or irrigation supplies, lakes, streams, ponds or rivers.

13. DISPOSAL CONSIDERATIONS

This information applies to the material as manufactured. Processing, use or contamination may make the information inappropriate, inaccurate or incomplete. The responsibility for proper waste disposal lies with the owner of the waste.
Deactivating Chemicals:

Waste Disposal Methods: Reevaluation of product may be required by user at the time of disposal since the product uses, transformations, mixtures and processes may influence waste classification. Dispose of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations. Do not dispose of waste with normal garbage or to sewer systems.

Safe Handling of Residues: Empty containers retain product residue and can be hazardous.

Disposal of Packaging: Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioned. Do not expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may exploded and cause injury or death. Treat package in the same manner as the product.

14. TRANSPORTATION INFORMATION

ADR/RID: Not classified as dangerous in the meaning of road and railway transport.

IMO: Not classified marine pollutant.

Air Transportation: Not classified as dangerous in the meaning of air transportation of IATA members

15. REGULATORY INFORMATION

CANADA

CEPA – NSNR: All constituents of this product are included on the DSL under the CEPA.

CEPA – NPRI: n.a.i..

Controlled Products Regulation Classification (WHIS): D-2B; Toxic (Skin and Eye Irritant)

USA

Environmental Protection Act: All constituents of this product are included on the TSCA inventory under the US-EPA.

OSHA Hazard Communication (29 CFR 1910.1200) Classification: Skin and Eye Irritant.

HMIS: 1 Health, 1 Fire, 0 Reactivity. (8)

INTERNATIONAL: Not available.

16. OTHER INFORMATION

ADDITIONAL INFORMATION AND SOURCES USED

Classification Enzyme: Xn (harmful), R42.

Hazardous ingredients: enzyme protein (1-10 %)

Written By : Textile Auxiliaries Chemicals Plant Management

The information contained herein is offered only as guide to the handling of this specific material and has prepared in good faith by technically knowledgeable personal. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and BAY KIM Inc. will not be liable for any damage, losses, injuries or consequential damage which may result from the use of or reliance on any information contained herein. This Material Safety Data Sheet is valid for three years.
n.a.: not applicable n.a.i.: not available information