

MATERIAL SAFETY DATA SHEET

BAY-ACTİVEX

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

BAY KİM

Tekstil Kimyevi Mad.San. ve Tic. Ltd. Şti .
Yarımburgaz Mah.Cumhuriyet Cad.
No:62/B
Halkalı/İSTANBUL
İstanbul / Türkiye
Tel: +90 (212) 678 03 49
Fax: +90 (212) 678 05 24
www.baykim.com

Date of Revision : 01/11/2007

Date of Construction : 01/11/2007

PRODUCT IDENTIFICATION

Product Name : BAY-ACTİVEX
Description : MODIFIED ACTIVATOR
Synonyms : Not applicable
Molecular Formula : n.a.
Product Use : ACTIVATOR
Cas N° product : n.a.i.
IMCO degree : WITHOUT IMCO

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

2. HAZARD IDENTIFICATION

HUMAN HEALTH HAZARDS:

Inhalation of product dust may induce sensitization and may cause allergic type reactions in sensitized individuals.

ENVIRONMENTAL HAZARDS :

The data do not support any physical or chemical hazard.

3. COMPOSITION, INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION : CATIONIC

4. FIRST AID MEASURES

FIRST AID PROCEDURES

Inhalation: If respiratory problem arise, moves the victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CRP) if there is no breathing and no pulse. Obtain medical advice 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. Irritant.

Eye Contact: Immediately flush eyes thoroughly for 5 minutes with running water. Hold eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention. Irritant

Ingestion: Do not attempts 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 Centro. Vomiting should only be induced under the direction of a physician or a Poison Control Centro. If spontaneous vomiting occurs, have lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. IMMEDIATELY transport victim to an emergency facility.

Medical conditions that may be aggravated by exposure to this product include preexisting liver and kidney disorders.

Note to Physicians: This product contains materials that may cause pneumonitis if aspirated. If ingestion has occurred less than 2 hours earlier, carry out careful gastric washing; 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.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flammability Class (WHIMIS)	: Not regulated
Flash Point (TCC, Deg. Celsius)	: n.a.i.
Auto-ignition Temperature (Deg. Celsius)	: n.a.i.
Flammability Limits in Air (%)	: n.a.i.
Hazardous Combustion Products	: n.a.i.
Unusual Fire or Explosion Hazards	: n.a.i.
Sensitivity to Mechanical Impact	: n.a.i.
Rate of Burning	: n.a.i.
Explosive Power	: n.a.i.
Sensitivity to Static Discharge	: n.a.i.

Hazardous Combustion Products: Thermal decomposition products are toxic and may include oxides of carbon.

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. Close containers exposed to heat may explode.

Sensitivity to Mechanical Impact: Not expected to be sensitive to mechanical impact.

Rate of Burning: Not available

Explosive Power: Not available.

Sensitivity to Static Discharge: Not expected to be sensitive to static discharge.

EXTINGUISHING MEDIA

Apply aqueous films forming foam (AFFF) according to manufacturer's recommended techniques or water in the form of a fog for large fires. Use carbon dioxide or dry chemical media for small fires.

FIRE FIGHTING INSTRUCTIONS

Instruction to the Fire Fighters: Isolate materials that are not involved in the fire and protect personnel. The heat from a fire can cause a build-up of pressure inside temperature above 50 °C. Cool containers with flooding quantities of water until well after the fire is out.

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 requirements 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 shown 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 appropriate personal protection. Ventilate areas.

STORAGE

Storage Temperature (Deg. Celsius): Keep in cool, dry place.

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 40 °C. 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

General exhaust is acceptable. Local exhaust ventilation preferred. Make up air should be supplied to balance air that is removed by local or general exhaust ventilation. Ventilation low lying areas such as sumps or pits where dense vapors 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. Contact lenses should not be worn working with this material.

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

Respiratory Protection: No specific guideline available. Respiratory protection should not be necessary unless the material is heated or a mist created. A NIOSH/MSHA-approved air-purifying respirator equipped with organic vapor cartridges for concentrations up to 1,000 ppm organic vapors (for Diethylene Glycol). An air-supplied respirator if concentration are higher or unknown.

Other Personal Protective Equipment: Wear regular work clothing. The use of coveralls is recommended. 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
Appearance and Odor	: LIQUID
Odor Threshold (ppm)	: Slight fermentation odor
Solubility	: Soluble in water
pH	: 4.5± 0.5
Flash Point	: N.a.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY

Under Normal Conditions	: stable
Under Fire Conditions	: Not flammable
Hazardous Polymerization	: Will no occur

Condition to Avoid : Not known

Materials to Avoid : Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA

Inhalation	: Oral Acute LD 50: 2400 mg/kg (MOUSE)
Eye Contact	: Acute Irritation
Skin Contact	: Acute Irritation LD 50: 5.01 mg/kg (MOUSE)

12. ECOLOGICAL INFORMATION

Product is believed not to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity.

13. DISPOSAL CONSIDERATIONS

No Special disposal methods required, expect to be in accordance with current authority regulations.

14. TRANSPORTATION INFORMATION

TRANSPORT BY ROAD (ADR) : NOT A DANGEROUS GOOD
TRANSPORT BY SEA (IMDG) : NOT A DANGEROUS GOOD
TRANSPORT BY RIVER (ADNR) : NOT A DANGEROUS GOOD
TRANSPORT BY AIR (IATA) : NOT A DANGEROUS GOOD
TRANSPORT BY RAIL (RID) : NOT A DANGEROUS GOOD

15. REGULATORY INFORMATION

LABELLING, ACCORDING WITH EC DIRECTIVES

Requires labelling

Hazardous component(s) for labelling

Contains

Enzyme proteins.

Cellulase

Hazard symbol(s)

R-phrases(s)	Xn 42/43	Harmful May cause sensitization by inhalation and skin contact.
S-phrases(s)	22 23 24	Do not breathe dust. Do not breathe spray. Avoid contact with skin

16. OTHER INFORMATION

ADDITIONAL INFORMATION

Legislation : -

Warning : -

Story : -

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 MOL 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