

MATERIAL SAFETY DATA SHEET

EXCEL AG CORP

PRODUCT NAME(S)**KOMPAT**

Effective Date: 01/14/03

I. IDENTIFICATION**CHEMICAL NAME OF PRIMARY COMPONENT(S):** Phosphate esters of alkyl aryl polyoxyethanol and butyl alcohol**FORMULA:** Mixture**MOLECULAR WEIGHT:** Not applicable**SYNONYMS:** Not applicable**CAS # & NAME:** Not applicable**EPA Reg No.** Not applicable**II. INGREDIENTS/SUMMARY OF HAZARDS**

(H)/INGREDIENT(S)	CAS NUMBER	OSHA HAZARD NON-HAZARD (NH)	PERCENT
Phosphate esters of alkyl aryl poly- oxyelthanol and butyl alcohol			91.0%
Formulation aids:			9.0%

	NFPA 1/	HMIS 2/
HEALTH	2	2
FIRE	2	2
REACTIVITY	0	0

1/ National Fire Protection Association Rating

2/ Hazardous Materials Identification System

(4 = Extreme/Severe 3 = High/Serious 2 = Moderate 1 = Slight 0 = Minimum)

SARA TITLE III HAZARD CLASSIFICATION

IMMEDIATE (ACUTE) HEALTH	Yes
DELAYED (CHRONIC) HEALTH	No
FIRE	Yes
SUDDEN RELEASE OF PRESSURE	No
REACTIVE	No

III. PHYSICAL DATA

SPECIFIC GRAVITY: 1.06
BOILING POINT: Over 212° F
FREEZING POINT: Not determined
VAPOR PRESSURE: Not determined
SOLUBILITY IN WATER: Miscible
APPEARANCE: Brownish liquid
ODOR: Typical alcohol odor.

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 113°F (SCC)
FLAMMABLE LIMITS IN AIR: Not determined
AUTOIGNITION TEMPERATURE: Not determined
EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical for small fires and water fog or foam (alcohol, polymer or ordinary) for large fires. Water stream may spread flames.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should use self contained breathing apparatus and full turnout gear. Prevent runoff of fire water. Avoid exposure to smoke.

V. REACTIVITY DATA

STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: Open fire or flames.
MATERIALS TO AVOID: Strong oxidizing agents. Strong alkali or caustic.
HAZARDOUS DECOMPOSITION PRODUCTS: Phosphorous oxides.
HAZARDOUS POLYMERIZATION: Will not occur

VI. HEALTH HAZARD DATA/FIRST AID PROCEDURES

TOXICOLOGY DATA:
Acute Oral LD₅₀ (rat): Not determined
Acute Dermal LD₅₀ (rabbit): Not determined
Acute Inhalation: Not determined
Eye Irritation (rabbit): Not determined
Dermal Irritation (rabbit): Not determined
Dermal Sensitization: Not determined

EXPOSURE LIMITS:

CHEMICAL NAME(S)	ACGIH (TLV)	OSHA (TWA)

CARCINOGENICITY, TERATOGENICITY, MUTAGENICITY: Not listed as a carcinogen by NRC, IARC or OSHA

SIGNS OF POISONING: Nausea, loss of motor skills, disorientation, skin and/or eye irritation.

PRIMARY ROUTES OF ENTRY: Ingestion, skin contact.

EFFECTS OF SINGLE OVEREXPOSURE:

Swallowing: Nausea, gastric distress.

Skin Absorption: May cause skin irritation.

Eyes: Contact with eyes may cause pain, irritation and chemical burns.

Inhalation: Mists may irritate nasal passages. Alcohol portion, which can be inhaled or absorbed, must be controlled below TLV. Prolonged inhalation of vapors may cause nausea, loss of motor skills, or disorientation.

EFFECTS OF REPEATED OVEREXPOSURE: Prolonged or repeated overexposure may cause nausea, loss of motor skills, disorientation, skin, respiratory and/or eye irritation

OTHER EFFECTS OF OVEREXPOSURE: None known

EXISTING MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin contact may aggravate preexisting skin conditions. Inhalation of mists may aggravate preexisting respiratory conditions.

EMERGENCY AND FIRST AID PROCEDURES:

Swallowing: Do not induce vomiting. Call a physician or poison control center.

Skin: Wash affected area with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing separately..

Inhalation: Remove victim to fresh air. If not breathing, administer artificial respiration. GET MEDICAL ATTENTION.

Eyes: Hold eyelids open and flush with a steady stream of water for at least 15 minutes. GET MEDICAL ATTENTION.

NOTE TO PHYSICIAN: Treat symptomatically

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Dike the area using absorbent or materials such as sand or clay. Recover and contain as much product as possible using absorbent. Clean spill area using a solution of water and detergent. Collect and contain wash water and all contaminated absorbent for disposal. If spilled on the ground, the affected area should be excavated to a depth of 1 - 2 inches. Prevent the spilled product or washings from reaching public sewers or waterways. Wear appropriate protective equipment during the cleanup. Ensure that tools and equipment are adequately decontaminated.

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

CONTAINER DISPOSAL: Dispose of in an approved facility according to federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, secure area away from sources of heat or ignition.

VIII. SPECIAL PROTECTION INFORMATION

PROTECTIVE EQUIPMENT SHOULD BE USED DURING THE FOLLOWING PROCEDURES:

- Manufacture or formulation of this product.
- Repair and maintenance of contaminated equipment.
- Clean up of leaks and spills.
- Any other activity that may result in hazardous exposures.

RESPIRATORY PROTECTION: If misting conditions exist, use NIOSH/MSHA approved respirator for organic vapors.

VENTILATION: Local exhaust

PROTECTIVE CLOTHING: Chemical resistant gloves, coveralls, apron and foot coverings.

EYE PROTECTION: Safety goggles

USER SAFETY RECOMMENDATIONS: Safety showers and eye wash should be easily accessible.

IX. REGULATORY STATUS

TSCA INVENTORY STATUS:

TRANSPORTATION STATUS:

DOT INFORMATION:

Container Capacity	Proper Shipping Name	Hazard Class	Label	Packing Group
Greater than 119 gallons	Combustible liquid, N.O.S. (contains butyl alcohol), NA 1993	Combustible Liquid	None	III

SARA TITLE III

Section 302-304 (40 CFR 350): Not listed

Extremely Hazardous Substance (EHS): Not applicable

Section 312, Reporting (40 CFR 370):

SARA/OSHA Hazardous Chemical Reporting Quantity: 10,000 pounds

Section 313, Toxic Chemicals:

Reportable Quantity (RQ): Butyl alcohol - 5,000 pounds (CERCLA)

RCRA HAZARDOUS WASTE: Butyl alcohol U031

International Right-To-Know Regulations:

X. REFERENCES

- 1) Supplier sponsored studies.

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