

ALTROX P

MSDS ID: 11605

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ALTROX P

Product Descriptor: PAPER SYSTEM CLEANER

MANUFACTURER: JOHNSON DIVERSEY, INC.
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800) 851-7145

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
SODIUM HYDROXIDE	1310-73-2	1 - 5%	TLV-C 2	MG/M3
SODIUM METASILICATE	6834-92-0	5 - 15%	None established	
SODIUM PERCARBONATE	15630-89-4	15 - 30%	None established	
SODIUM TRIPOLYPHOSPHATE	7758-29-4	15 - 30%	None established	

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER. CORROSIVE, CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED.

POSSIBLE ROUTES OF ENTRY: Eye contact. Skin contact. Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Corrosive. May cause permanent damage including blindness.

SKIN: Corrosive. May cause permanent damage. INGESTION:

Corrosive. May cause burns to mouth, throat and stomach.

INHALATION: Dust, spray or mists may cause burns or irritation.

CHRONIC: Same as acute effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis or emphysema, etc., may be more susceptible to irritating effects.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin, respiratory tract, and gastrointestinal tract.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with running water for at least 15 minutes keeping eyelids open. Get medical attention immediately.

SKIN: Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

INGESTION: Do not induce vomiting. Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: If breathing is affected, remove to fresh air. Get medical attention immediately.

MATERIAL SAFETY DATA SHEET

Page 2 of 4
Revised 8/20/04
Replaces 8/17/04
Printed 8/23/04

ALTROX P**MSDS ID: 11605**

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): N/A FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/E UEL: N/E
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus SCBA) in fire area.
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Contain spilled solids. Wear protective clothing. Sweep or shovel solids or powder into a non-reactive chemical waste container. Dispose of materials in accordance with local, State and Federal regulations. Flush spill area with water.
The Reportable Quantity of Sodium hydroxide, CAS# 1310-73-2 is 20,000 Lbs.
Reportable Quantity of Sodium Tripolyphosphate, CAS# 7758-29-4 is 20,000 Lbs.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL & INDUSTRIAL USE ONLY. Keep container tightly closed. Protect from freezing. Store in a dry, cool and well-ventilated area. KEEP OUT OF REACH OF CHILDREN.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Chemical splash goggles.
PROTECTIVE GLOVES: Chemical resistant gloves. Includes: Neoprene gloves.
RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator where TLV/PEL may be exceeded.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: If major exposure is possible, wear suitable protective clothing and footwear.
ENGINEERING CONTROLS:
VENTILATION: Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White powder, no odor.

BOILING POINT (DEG F): N/A
SPECIFIC GRAVITY/BULK DENSITY: 0.95
pH: N/A

FREEZING POINT: N/A
pH 1% SOLUTION: 11.8

ALTROX P

MSDS ID: 11605

IX. PHYSICAL AND CHEMICAL PROPERTIES (Cont.)

VOLATILE BY VOLUME: 0

SOLUBILITY IN WATER: Partially Soluble

VAPOR PRESSURE(mmHg): N/A at N/A VAPOR DENSITY: N/A

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Acids; Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms; oxides of carbon; oxides of phosphorus

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

TOXICITY TEST DATA:

Sodium Hydroxide:

Acute Oral LD50 (rat) 500 mg/kg (RTECS)

Acute Skin LD50 (rabbit) 1350 mg/kg (MSI)

Sodium Metasilicate:

Acute Oral LD50 (rat) - 1153 mg/kg (RTECS)

Sodium Tripolyphosphate:

Acute Oral LD50 (rat) 4100 mg/kg

Sodium Percarbonate:

Acute Oral LD50 (rat) 1034 mg/kg

Acute Dermal LD50 (rabbit) >2000 mg/kg

Acute Inhalation LD50 (rat) >4580 mg/m3 (1 hr)

Eye Irritancy: Severelyrritant

Skin Irritancy: Slightly irritating

Sensitization: Not a sensitizer

XII. ECOLOGICAL INFORMATION

Toxicological testing has not been performed on the product. Listed below is the available toxicology test data for components of the product.

ECOTOXICITY TEST DATA:

Sodium Metasilicate:

Acute LC50 (96 hr) Gambusia affinis 530 mg/l

Acute LC50 (48 hr) Daphnia magna 113 mg/l

Acute LC50 (96 hr) Gammarus sp. 160 mg/l

Acute LC50 (28 day) Polychaete 210-250 mg/l

Sodium Percarbonate:

Acute LC50 (96 hr) Pimephales promelas 70.7 mg/l

Acute NOEC (96 hr) Pimephales promelas 1.0 mg/l

Acute LC50 (48 hr) Daphnia pulex 4.9 mg/l

Acute NOEC (48 hr) Daphnia pulex 1.0 mg/l

ENVIRONMENTAL FATE: No data available.

MATERIAL SAFETY DATA SHEET

Page 4 of 4
Revised 8/20/04
Replaces 8/17/04
Printed 8/23/04

ALTROX P

MSDS ID: 11605

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Concentrated product is considered D002 - Corrosive if declared a hazardous waste.

Dispose in accordance with Federal, State and Local regulations.

XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: NONE

VOC CONTENT (EPA Method 24A): % VOC: 0 Lb/Gal VOC: 0

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

NONE

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: NO REACTIVITY: YES

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: None

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 3 FIRE: 0 REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT: C

NFPA RATING: HEALTH: 3 FIRE: 0 REACTIVITY: 1 SPECIAL: NONE

STATE RIGHT-TO-KNOW INFORMATION:

SODIUM PERCARBONATE - CAS# 15630-89-4

SODIUM HYDROXIDE - CAS# 1310-73-2

SODIUM METASILICATE - CAS# 6834-92-0

SODIUM TRIPOLYPHOSPHATE - CAS# 7758-29-4

TRADE SECRET - NJ-TSRN-DL-00055

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.