

Material Safety Data Sheet

MSDS 012

Rev: B
 Product: Activator for CIDEX Plus 28 Day Solution
 Issue date: 12/05/03

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Supplier:

Advanced Sterilization Products
 33 Technology Drive
 Irvine, CA 92618

Customer service telephone: 1-800-755-5900
Emergency telephone number: (800) 451-8346 or (760) 602-8700 - 24 hrs
Product name: Activator for CIDEX Plus 28 Day Solution

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	J&J - OEL Data (TWA - 8 hr)	J&J - OEL Data (STEL):	J&J - OEL Data (Ceiling Limit Value):	J&J - PBOEL
Potassium acetate	127-08-2	<40	Not Determined	Not Determined	Not Determined	Not Determined
Polyphosphoric acids, esters with triethanolamine, sodium salts	68131-72-6	<30	Not Determined	Not Determined	Not Determined	Not Determined

3. HAZARDS IDENTIFICATION

Emergency overview: None

Properties affecting health: None

Principle routes of exposure:

Oral: Not anticipated to be a significant route of occupational exposure. Can irritate the tissues of mouth, esophagus, and other tissues of the digestive system.

Eye contact: Direct eye contact may cause irritation and tearing (lacrimation).

Skin contact: Moderate skin irritant. Symptoms are temporary and reversible.

Ingestion: May be harmful if swallowed. Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

Inhalation: Not a likely route of exposure. May cause irritation to the upper respiratory tract. Symptoms are temporary and reversible.

Physico-chemical properties: No hazards resulting from material as supplied.

Hazard information:

Target organ effects: None.

Reproductive effects: This material is not reported to cause reproductive effects in humans

Mutagenic effects: This product is not known to produce mutagenic effects in humans

Sensitization: Non-sensitizing.

Carcinogenicity rating:

Components	CAS Number	J&J:	NTP:	IARC:	California Proposition 65 List:
Potassium acetate	127-08-2	Not Determined	Not Determined	Not Determined	Not Determined
Polyphosphoric acids, esters with triethanolamine, sodium salts	68131-72-6	Not Determined	Not Determined	Not Determined	Not Determined

Signs and symptoms: None.

Medical conditions aggravated by exposure: None known.

4. FIRST AID MEASURES

Eye contact: Flush eye with water for 15 minutes.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

Ingestion: Do not induce vomiting. Call a physician or Poison Control Center immediately

Inhalation: Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention.

Skin contact: Rinse with plenty of water.
Remove contaminated clothing and wash before re-use.

Protection of first-aiders: None.

Notes to physician: None.

5. FIRE-FIGHTING MEASURES

Flash point (°F): Not Applicable
Flash point (°C): Not Applicable
Autoignition temperature: Not Applicable
Flammable limits in air - lower (%): Not Applicable
NFPA rating: Health: 1 flammability: 0 reactivity: 0
HMIS/ NFPA rating and classification:

**Fire fighting information:**

Suitable extinguishing media: Use any extinguishing media which is suitable for the surrounding fire.

Extinguishing media which must not be used for safety reasons: None.

Specific methods: None.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products: None

Explosivity:	Not Applicable
Explosion limits:	
lower:	Not Applicable
upper:	Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use suitable protective equipment.
Environmental precautions:	No special environmental precautions required.
Methods for cleaning up:	Clean-up methods - large spillage Contain and absorb all spillages with an inert absorbent material and place in a disposable container. Flush with plenty of water. Do not flush into surface water or sanitary sewer system. Clean-up methods - small spillage Wipe up with absorbent material (e.g. cloth, fleece)

7. HANDLING AND STORAGE

Handling:

Technical measures/precautions:	No special technical protective measures required.
Safe handling advice:	Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin and eyes.

Storage:

Technical measures/storage conditions:	This product should be stored between 59°F (15°C) and 86°F (30°C)
Incompatible products:	Strong oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Ensure adequate ventilation, especially in confined areas.
Eye protection:	Eye protection recommended during production of product.
Hand protection:	Wear rubber or neoprene gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection:	None required.
Other/general protection:	None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Dark green
pH:	Approximately 7.0
Odor:	Vinegar-like
Boiling temperature (°F):	Not established
Melting point/range (°F):	Not established
Freezing point/range (°F):	Not established
Specific gravity:	Not established
Density (20/4):	Not established
Vapor pressure:	Not established

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CO-29503-3

Evaporation rate:	<1
Water solubility:	Soluble
Partition coefficient (n-octanol/water):	Not established

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Carbon oxides. Nitrogen, sulfur and sodium containing compounds
Materials to avoid:	Unknown on product.
Conditions to avoid:	Unknown on product.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Local effects

Oral:	GI tract irritation and/or disturbances.
Eye irritation	Mild eye irritant.
Skin irritation:	May cause skin irritation.
Inhalation:	Mild irritation.

Chronic toxicity

Oral:	Unknown on product.
Inhalation:	Unknown on product.
Dermal:	Unknown on product.

Subchronic toxicity

Oral:	Unknown on product.
Dermal:	Unknown on product.

Specific effects

Corrosive effects:	Unknown on product.
Sensitization:	Not a sensitizer.
Target organ effects:	None.
Mutagenic effects:	No data is available on the product itself.
Reproductive effects:	No data is available on the product itself.
Developmental effects:	No data available
Carcinogenic effects:	No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity effects:	This product has no known eco-toxicological effects.
Aquatic toxicity effects:	This product has no known aquatic toxicological effects.

Mobility:	Unknown on product.
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Persistence / degradability:	Unknown on product.
Bioaccumulation:	Unknown on product.
Degradation:	Unknown on product.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.
Contaminated packaging:	None.
Methods for cleaning up:	<p>Clean-up methods - large spillage</p> <p>Contain and absorb all spillages with an inert absorbent material and place in a disposable container.</p> <p>Flush with plenty of water.</p> <p>Do not flush into surface water or sanitary sewer system.</p> <p>Clean-up methods - small spillage</p> <p>Wipe up with absorbent material (e.g. cloth, fleece)</p>

14. TRANSPORT INFORMATION

DOT:	
DOT UN-No:	Not applicable
DOT shipping name:	Not regulated
Hazard class:	Not applicable
Subsidiary risk (hazard class):	Not applicable
Packing group:	Not applicable
DOT reportable quantity (lbs):	Not applicable

IMO/IMDG:	
Hazard class:	Not applicable
IMDG page:	Not applicable
IMDG-labels:	Not applicable
Packing group:	Not applicable
MFAG table No.:	Not applicable
Proper shipping name:	Not regulated
UN/Id No.:	Not applicable

ADR/RID:	
Hazard class/packing group:	Not applicable
Item:	Not applicable
ADR/RID-labels:	Not applicable
UN/Id No.:	Not applicable
Proper shipping name:	Not regulated.
TREM-card:	Not applicable

IATA/ICAO:	
Hazard class:	Not applicable
Packing group:	Not applicable
Proper shipping name:	Not regulated
ID/UN No.:	Not applicable
IATA - label:	Not applicable
ERG #	Not applicable

TDG (Canada):	
Status:	Not applicable

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Packing group:

Not applicable

15. REGULATORY INFORMATION

SARA (311, 312) hazard class:

Immediate health:	None
Delayed health:	None
Fire:	None
Sudden Release of Pressure Hazard:	None
Reactivity:	None

TSCA inventory list: Listed under TSCA: Yes

WHMIS:

WHMIS trade secret:	None
WHMIS hazard class:	None

Canada DSL inventory list: Listed on DSL: Yes

Notes:

1. SARA = Superfund Amendments and the Reauthorization Act.
2. CERCLA = Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA = Federal Insecticide, Fungicide and Rodenticide Act
4. TSCA = Toxic Substance Control Act
5. WHMIS = Canadian Workplace Hazardous Materials Information System
6. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

This data sheet contains changes from the previous version in section(s):

None

Additional advice: None

Literary Reference: None

MSDS format: North American Format - U.S. and Canada
This Material Safety Data Sheet was prepared in accordance with OSHA 29 CFR 1910.1200.

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End of Safety Data Sheet