

SAFETY DATA SHEET (SDS)

Column Activator "A"

01. Product and Company Identification

Product Identifier:

Trade Name: Column Activator "A"
Chemical Name: N/A
Catalog Number: 35066667, 35066659
Part of Kits: 35062611, 35061011
Use of chemical: Laboratory chemical

Identification of Manufacturer:

Manufacturer/Supplier: Biochemical Diagnostics, Inc.
 180 Heartland Blvd., Edgewood, NY 11717
 Phone: (631) 595-9200 | Fax: (631) 595-9204
Emergency telephone number: (800) 255-3924

02. Hazard(s) Identification

Classification of substance or mixture:

Flammable liquids (Category 2)
Highly flammable liquid and vapor
 Serious eye damage (Category 1)
Causes serious eye damage.
 Specific target organ toxicity – single exposure (Category 3), Central nervous system

Label elements:

Hazard pictograms



Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapor.
 H318 Causes serious eye damage.
 H336 May cause drowsiness or dizziness.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P271 Use in a well-ventilated area or outdoors.
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower
 P304+340 IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Classification system:

NFPA ratings (scale 0 - 4)



Health = 2
 Fire = 3
 Reactivity = 0

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HMIS-ratings (scale 0 - 4)		
HEALTH	2	Health = 2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

03. Composition/information on ingredients

Chemical Characterization: Mixture

CAS No. Description: N/A to mixtures

Formula: Proprietary alcohol mixture

04. First aid measures

Description of first aid measures:

Inhalation: Remove to fresh air. If not breathing give artificial respiration.
Consult a physician.

Ingestion: May be harmful if swallowed in large quantity. Rinse mouth with water.
Seek medical attention.

Skin Contact: Wash immediately with soap and water. Can cause irritation.

Eye Contact: Rinse with copious amounts of water, for at least 15 minutes.
Seek medical attention.

05. Firefighting measures

Extinguishing media: Water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

Special Fire Fighting Procedures: Wear proper protective equipment w/Self contained breathing apparatus.

Unusual Fire and Explosion Hazards: Flammable Liquid and vapor.
Dangerous fire hazard when exposed to heat of flame.

06. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions:

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:



Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and remove.

Waste Disposal Method:

Dispose in accordance with state, local and federal regulations

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07. Handling and storage
Handling:
Precautions for safe handling: Avoid inhalation of vapor or mist.
Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
Conditions for safe storage, including any incompatibilities:
Requirements to be met by storerooms and receptacles: Store in a cool location.
Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well-sealed receptacles.
08. Exposure controls/ personal protection
Exposure Controls:
Control parameters: Components with limit values that require monitoring at the workplace: 71-23-8 n-Propanol PEL Long-term value: 500 mg/m ³ , 200 ppm REL Long-term value: 500 mg/m ³ , 200 ppm TLV Short-term value: 625 mg/m ³ , 250 ppm
Personal protective equipment:
General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
Eye Protection:  Tightly sealed goggles
Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact
Protection of Hands:  Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Respiratory Protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Ventilation: Keep vapor levels as low as possible, use adequate general or local exhaust.
09. Physical and chemical properties
Appearance: Form: Liquid Color: Colorless
Odor: Alcohol
pH: no information found
Melting Point: -126°C/ -194°F Boiling Point: 97°C/ 206°F

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Flash Point: 21°C (70°F)
Ignition temperature: 412°C (773.6°F)
Explosion limits: Lower: 2.1 Vol % Upper: 13.7 Vol %
Vapor Pressure @ 19°C: 14.9 mm Hg
Specific Gravity @ 20°C (68°F): 0.80 g/cm ³ Vapor Density: 2.1, Air=1
Percent Volatile: 100%
Evaporation Rate: 1.3
Flammable Limits in air % by volume: Lel: 3.3 Uel: 19
Solubility in/ Miscibility with Water@20°C: 100%

10. Stability and reactivity

Stability: Stable

Incompatibility: Strong oxidants, strong acids, halogens, nitric acid, sulfuric acid, active halogen compounds

Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

Hazardous Polymerization: Will not occur

Hazardous Decomposition: Carbon dioxide and carbon monoxide may form when heated to decomposition.

11. Toxicological information

Acute toxicity:

LD/LC₅₀ values that are relevant for classification: n-propanol

Oral LD₅₀ 8,038 mg/kg (rat)

Inhalation LC₅₀/1 h 20,000 ppm (rat)

Dermal LD₅₀ 4,000 mg/kg (rabbit)

Potential health effects:

On the skin: Irritant to skin, prolonged contact may cause dermatitis.

On the eye: Irritating effect, may cause temporary corneal damage.

Inhalation: Irritation of mucous membranes, headache, nausea, vomiting, dizziness, drowsiness, irritation of upper respiratory tract, unconsciousness can occur.

Ingestion: May be harmful if swallowed in large quantity.

12. Ecological information

Toxicity: (n-propanol)

Toxicity to fish LC₅₀ - Pimephales promelas (fathead minnow) - 4,555 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates EC₅₀ - Daphnia magna (Water flea) – 3,642 mg/l - 48 h (DIN 38412)

Toxicity to algae EC₅₀ - Pseudokirchneriella subcapitata (green algae) - 9,170 mg/l - 48 h

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

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13. Disposal considerations

Waste treatment methods

Product:

Always dispose of in accordance with local, state and federal regulations.

Contaminated packaging:

Disposal must be made according to official regulations.

14. Transport Information

UN Number:

1987

UN proper shipping name:

Alcohols, n.o.s. (contains n-Propanol, Isobutanol)

Transport hazard class(es):

3

Packing group:

II

Environmental hazards:

None

Special precautions

None

15. Regulatory Information

SARA 302 Components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

16. Other Information

Revision B, June 2015

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