



Safety Data Sheet (SDS) 2862

SDS Revision Date: 03/01/2024

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity 2862

Alternate Names 2862

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Contact ChemStation representative.

Application Method Contact ChemStation representative.

1.3. Details of the supplier of the safety data sheet

Company Name ChemStation Philadelphia
415 Boot Rd., STE B
Downingtown, PA 19335

Emergency

CHEMTREC (USA) (800) 424-9300

Customer Service: ChemStation Philadelphia (484) 696-1431

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Skin Irrit. 3;H316 Causes mild skin irritation. (Note: this GHS classification was not adopted by US OSHA).

2.2. Label elements

Warning

H316 Causes mild skin irritation.

[Prevention]:

No GHS prevention statements

[Response]:

P332+313 If skin irritation occurs: Get medical advice or attention.

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

3. Composition/information on ingredients

Formula information for this product is being withheld as a trade secret under the provisions of 29 CFR 1910.1200(i).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
2-Butoxy-ethanol CAS Number: 0000111-76-2	1.0 - 10	Acute Tox. 4;H332 Acute Tox. 4;H312 Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315	[1][2]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

Section 4. First-aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	No specific symptom data available. Check section 2.2 (GHS Label Elements) for further details.
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Section 5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

ERG Guide No. 0

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

Section 8. Exposure controls / personal protection

8.1. Control Parameters - Formula information for this product is being withheld as a trade secret under the provisions of 29 CFR 1910.1200(i).

Exposure

CAS No.	Ingredient	Source	Value
0000111-76-2	2-Butoxy-ethanol	OSHA	TWA 50 ppm (240 mg/m3) [skin]
		ACGIH	TWA: 20 ppm Revised 2003,
		NIOSH	TWA 5 ppm (24 mg/m3) [skin]
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000111-76-2	2-Butoxy-ethanol	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

8.2. Exposure controls

Respiratory

Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

Eyes

Wear approved eye protection. The use of a face shield is also recommended for skin protection in the area of the eyes. An eye wash station is suggested as a good workplace practice.

Skin

Chemical resistant clothing such as coveralls/apron boots should be worn. Chemical Impervious Gloves

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

Section 9. Physical and chemical properties

Appearance	Light straw clear liquid
Odor	Mild
Odor threshold	Not Measured
pH	11.8 - 13.0
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	212 deg F
Flash Point	>200 degrees F PMCC (non-flammable)
Evaporation rate (Ether = 1)	0.33
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Determined
Vapor Density	Not Determined
Relative Density	0.998 - 1.018
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Foaming	Moderate

9.2. Other information

No other relevant information.

Section 10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

10.6. Hazardous decomposition products

No hazardous decomposition data available.

Section 11. Toxicological information

Accute Toxicity - Formula information for this product is being withheld as a trade secret under the provisions of 29 CFR 1910.1200(i).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
2-Butoxy-ethanol - (111-76-2)	1,414.00, Guinea Pig - Category: 4	1,200.00, Guinea Pig - Category: 4	No data available	No data available	No data available
Classification	Category	Hazard Description			
Acute toxicity (oral)	---	Not Applicable			
Acute toxicity (dermal)	---	Not Applicable			
Acute toxicity (inhalation)	---	Not Applicable			
Skin corrosion/irritation	3	Causes mild skin irritation. (Note: this GHS classification was not adopted by US OSHA).			
Serious eye damage/irritation	---	Not Applicable			
Respiratory sensitization	---	Not Applicable			
Skin sensitization	---	Not Applicable			
Germ cell mutagenicity	---	Not Applicable			
Carcinogenicity	---	Not Applicable			
Reproductive toxicity	---	Not Applicable			
STOT-single exposure	---	Not Applicable			
STOT-single exposure	---	Not Applicable			
STOT-repeated exposure	---	Not Applicable			
Aspiration hazard	---	Not Applicable			

Section 12. Ecological information

12.1. Toxicity - Formula information for this product is being withheld as a trade secret under the provisions of 29 CFR 1910.1200(i).

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
2-Butoxy-ethanol - (111-76-2)	1,474.00, Oncorhynchus mykiss	1,550.00, Daphnia magna	1,840.00 (72 hr), Pseudokirchneriella subcapitata

12.2. Persistence and degradability

This product is fully biodegradable.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

Section 14. Transport information

14.1. UN number	Not Applicable
14.2. UN proper shipping name	Compound, Cleaning,N.O.I., Liquid
14.3. Transport hazard class(es)	Not Applicable
14.4. Packing group	Not Applicable

Section 15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
EPCRA 311/312 Chemicals and RQs: (No Product Ingredients Listed)	
EPCRA 302 Extremely Hazardous : (No Product Ingredients Listed)	
EPCRA 313 Toxic Chemicals: 2-Butoxy-ethanol	
Proposition 65 - Carcinogens (>0.0%): (No Product Ingredients Listed)	
Proposition 65 - Developmental Toxins (>0.0%): (No Product Ingredients Listed)	
Proposition 65 - Female Repro Toxins (>0.0%): (No Product Ingredients Listed)	
Proposition 65 - Male Repro Toxins (>0.0%): (No Product Ingredients Listed)	
N.J. RTK Substances (>1%): 2-Butoxy-ethanol	
Penn RTK Substances (>1%): 2-Butoxy-ethanol	

Section 16. Other information

Issue Date	04/09/2015
Revision History	04/09/2015
	06/28/2015
	04/06/2016
	08/31/2018
	09/15/2018
	06/23/2022
	12/03/2022
	03/25/2023
	04/25/2023

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We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

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