

SAFETY DATA SHEET



Dyna-Plex 21C SB Cleaner

Conforms to HazCom 2012

Section 1 – Identification

Product Identifier: Dyna-Plex 21C SB Cleaner

Other means of identification: Not available

Recommended use: Sump cleaner

Supplier Information:

Miller Industrial Fluids, A PetroChoice Company Email: customerservice@millerif.com
1751 W. Raymond Street Website: www.petrochoice.com
Indianapolis, IN 46221 Emergency: CHEMTREC, U.S.: 1-800-424-9300
Phone: (317) 634-7300 International: +1-703-527-3887
Fax: (317) 636-6761 Hours of Operation: 8am – 5pm

Section 2 – Hazards Identification

GHS Classification: Skin Corrosion/Irritation – Category 2
Serious Eye Damage/Eye Irritation – Category 1
Skin Sensitization – Category 1

GHS Label Elements

Hazard pictograms:



Signal Word: Danger
Hazard Statement: Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.

Precautionary Statements

Prevention: Wash thoroughly after handling.
Wear protective gloves, clothing, eye protection and face protection.
Avoid breathing dust, fume, gas, mist, vapors or spray.
Contaminated work clothing must not be allowed out of the workplace.

Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
If exposed or concerned: Get medical advice/attention.

Storage: None.

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Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other Hazards: None known.

Section 3 – Composition/Information on Ingredients

Substance/Mixture: Mixture

Chemical Name: None

Other means of

Identification: None

CAS number/other

Identifiers: None

Component Name	Percent	CAS Number
Fatty acid derived nonionic surfactant	5-10	Proprietary
Octanoic acid	1-5	124-07-2
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	1-5	4719-04-4
2-butoxyethanol	1-5	111-76-2
Alcohols, C6-10, ethoxylated propoxylated	1-5	68987-81-5
Tetrasodium ethylenediamine tetra-acetate	0.1-1	64-02-8
Potassium hydroxide	0.1-0.5	1310-58-3

Section 4 – First Aid Measures

Description of necessary first aid measures:

Eye Contact: Rinse immediately with plenty of water. Remove contact lenses, if safe and possible to do. Protect unharmed eye. Continue rinsing. Keep impacted eye(s) wide open while rinsing. If eye irritation persists, get medical attention.

Inhalation: Move person to an area with fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection such as a pocket mask. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention immediately.

Skin Contact: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Continue to rinse. If skin irritation or rash develops, seek medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion: Rinse mouth with water and drink plenty of water afterwards. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention immediately.

Most Important Symptoms/Effects, Acute and Delayed:

Eye contact may result in pain, irritation, watering and redness. Skin contact may result in irritation and redness.

Indication of any immediate medical attention and special treatment needed:

If necessary, treat symptomatically.

Section 5 – Fire-fighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO₂)
Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Special Hazards arising from this mixture: Hazardous decomposition products include oxides of oxygen and nitrogen as well as corrosive and or toxic fumes.

Special protective equipment and precautions for firefighters: Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment, Emergency Procedures: Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. If significant spillages cannot be contained, local authorities should be advised.

Methods and Materials for Containment and Cleaning up: Stop the flow of material, if this is without risk. Dike the spilled material, where possible. Absorb in vermiculite, dry sand or other absorbent material then place into containers. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental Precautions: Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Avoid discharge into drains, water courses or onto the ground. If the product contaminates rivers and lakes or drains, then inform the respective authorities.

Section 7 – Handling and Storage

Precautions for Safe Handling: Do not breathe dust, fume, gas, mist, vapors or spray. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. All handling should take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly.

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Conditions for Safe Storage: Store in original container in a dry, cool and well-ventilated place. Keep container tightly closed and sealed until ready for use. Container must be kept upright to prevent leakage.

Section 8 – Exposure Controls/Personal Protection

Occupational Exposure Limits:

OSHA

Material	Type	Value
2-butoxyethanol	PEL	240mg/m ³

ACGIH

Material	Type	Value
2-butoxyethanol	TWA	20ppm
Potassium hydroxide	Ceiling	2mg/m ³

Appropriate Engineering Controls: Adequate ventilation should be provided whenever the material is heated or mists are generated. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Individual Protection Measures, such as Personal Protective Equipment:

Eye/Face Protection: Goggles/face shield are recommended.
Hand Protection: Nitrile rubber gloves are recommended.
Skin & Body Protection: Chemical/oil resistant long-sleeve clothing is recommended. Launder contaminated clothing before reuse.
Respiratory Protection: If vapors/mist concentration exceed the exposure limit(s), an appropriate certified respirator must be used.
General Hygiene Considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Section 9 – Physical and Chemical Properties

Appearance: Clear and colorless
Physical State: Liquid
Odor: Mild
Odor Threshold: Not Available
pH: 8.5
Melting/Freezing Point: 32°F (0°C)
Initial Boiling Point: 212°F (100°C)
Flash Point: No flash through boiling.
Evaporation Rate: <1 (n-Butyl Acetate=1)
Flammability (solid,gas): Not Available
Upper/Lower Flammability or Explosive Limits

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Flammability Limit	
Lower %:	Not Available
Upper %:	Not Available
Explosive Limit	
Lower %:	Not Available
Upper %:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
Relative Density:	1.00 @60°F (15.56°C)
Solubility (water):	Complete
Partition Coefficient	
(n-octanol/water):	Not Established
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity:	Not Available

Section 10 – Stability and Reactivity

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	No specific data.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 – Toxicological Information

Information on Likely Routes of Exposure

Ingestion:	May be harmful if swallowed. Irritating to mouth, throat and stomach.
Inhalation:	May be harmful if inhaled. Irritating to upper respiratory tract.
Skin Contact:	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Eye Contact:	Severely irritating and damaging to eyes.
Symptoms Related to the Physical, Chemical and Toxicological Characteristics:	Not Available

Information on Toxicological Effects

Acute Toxicity:

Component Analysis:

Component Name	Test	Species	Dose
Fatty acid derived, nonionic surfactant	LD ₅₀ Oral LD ₅₀ Dermal	Rat Rabbit	>5000mg/kg 8000mg/kg

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Octanoic Acid	LD ₅₀ Oral LD ₅₀ Dermal	Rat Rabbit	1283mg/kg >5000mg/kg
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	LD ₅₀ Oral LD ₅₀ Dermal	Rat Rat	1009-3950mg/kg >2000mg/kg
2-butoxyethanol	LD ₅₀ Oral LD ₅₀ Dermal	Rat Rat	1300mg/kg >2000mg/kg
Alcohols, C6-10, ethoxylated propoxylated	LD ₅₀ Oral LD ₅₀ Dermal	Rat Rat	2380-2745mg/kg >2000mg/kg
Tetrasodium ethylenediamine tetra-acetate	LD ₅₀ Oral LD ₅₀ Dermal	Rat Rabbit	3030mg/kg >5000mg/kg
Potassium hydroxide	LD ₅₀ Oral	Rat	273mg/kg

Skin Corrosion / Irritation:	Irritating to skin. May cause defatting of the skin.
Serious Eye Damage / Eye Irritation:	Causes serious eye damage
Respiratory or Skin Sensitization	
Respiratory Sensitization:	Not a respiratory sensitizer.
Skin Sensitization:	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Mutagenicity:	Non-mutagenic
Carcinogenicity:	This product's components are not considered to be carcinogenic by IARC, ACGIH, NTP or OSHA.
Reproductive Toxicity:	Contains no ingredient listed as toxic to reproduction.
Specific Target Organ Toxicity	Not classified
- Single Exposure	
Specific Target Organ Toxicity	Not classified
- Repeated Exposure	
Aspiration Hazard	Not classified
Chronic Effects	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Section 12 – Ecological Information

Ecotoxicity:

Component Name	Test	Species	Dose
Fatty acid derived, nonionic surfactant	LC50, 96hrs	Fish	4.4mg/L
	LC50, 48hrs	Daphnia magna	7.5mg/L
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol	LC50, 96hrs	Fish	10-100mg/L
	EC50, 48hrs	Daphnia magna	10-100mg/L
2-butoxyethanol	LC50, 96hrs	Oncorhynchus mykiss	1474mg/L
	EC50, 48hrs	Water Flea	1550mg/L
Tetrasodium ethylenediamine tetra-acetate	LC50, 96hrs	Pimephales promelas	>100mg/L
Potassium hydroxide	LC50, 96hrs	Gambusia affinis	80mg/L

Persistence and Degradability: No information available.

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Bioaccumulative Potential: No information available.
Mobility in Soil: No information available.
Other Adverse Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

Section 13 – Disposal Considerations

Disposal Instructions: Disposal of waste material should comply with all local, state, federal and provincial environmental regulations. See Section 7 for safe handling procedures and section 8 for personal protective equipment recommendations. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Empty containers or liners may retain some product residues. Follow label warnings even after container is emptied. Avoid contact of any spilled material or runoff with soil, waterways, drains and sewers.

Section 14 – Transport Information

DOT: Not regulated.
IMDG: Not regulated.

Section 15 – Regulatory Information

U.S. Federal Regulations: This product is considered a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
United States Inventory: (TSCA 8b) All components are listed or exempted.

CERCLA Hazardous Substance List (40 CFR 302.4)

Component	CAS	Percent
Potassium hydroxide	1310-58-3	0.1-0.5

SARA 302/304:

Composition/Information on Ingredients

Component	CAS	Percent
1,4-Dioxane	123-91-1	<0.0008
Ethylene oxide	75-21-8	<0.0002

SARA 311/312 Hazard Categories:

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard No

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Sudden Release of Pressure Hazard No
Reactive Hazard No

SARA 313:

Component	CAS	Percent
2-butoxyethanol (glycol ether category)	111-76-2	1-5

State Regulations:

California Proposition 65

Component	CAS	Percent
1,4-Dioxane	123-91-1	<0.0008
Ethylene oxide	75-21-8	<0.0002

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Potassium Hydroxide	Yes	No	Yes	Yes
2-aminoethanol	Yes	Yes	Yes	-
1,4-Dioxane	Yes	Yes	Yes	-
Ethylene Oxide	Yes	Yes	Yes	-

Section 16 – Other Information

Date of Preparation: 6/16/15
Date of Last Revision: 6/16/15
Version: 1.0

Notice to reader:

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release. The information is not considered as a warranty or quality specification. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet
