

SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier

Product name : PENETRATE
Product form: Liquid
Other means of identification: 0119

Relevant identified uses of the substance or mixture: Water soluble butyl degreaser

Details of the supplier of the safety data sheet

Manufacturer:
Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150
Phone: 816-472-5515

Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification

Serious eye damage/Eye Irritation - Category 1
Skin corrosion/irritation – Category 1B
Pictogram



Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage.

Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements – Response

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 doctor/physician
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs get medical advice/attention. Take off all contaminated clothing and wash before reuse.

Precautionary Statements – Storage

Keep containers tightly closed.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section III –Composition/Information on ingredients

Mixture

Name	CAS #	Weight %
4-Dodecylbenzenesulfonic acid	121-65-3	1-5
Sodium metasilicate	10213-79-3	1-10
2-Butoxy ethanol	111-76-2	1-5
Isopropyl alcohol	67-63-0	1-5

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Section IV – First Aid Measures

First Aid Measures

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical attention.

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: If skin irritation occurs, get medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

May cause serious eye damage and skin burns.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

Section V – Fire Fighting Measures

Suitable Extinguishing Media

Alcohol resistant foam, dry chemical or carbon dioxide, water spray..

Unsuitable Extinguishing Media: No data available.

Specific Hazards Arising from the Chemical

No data available

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved and full protective gear. Keep upwind of the fire.

Section VI –Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so. Prevent discharge to the environment. Pick up and arrange for disposal.

Methods for Cleaning Up: Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal.

Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NIOSH
4-Dodecylbenzenesulfonic acid	121-65-3	No exposure limits	No exposure limits	No exposure limits
Sodium metasilicate	10213-79-3	No exposure limits	No exposure limits	No exposure limits
2-Butoxy ethanol	111-76-2	TWA: 20 ppm	TWA: 50 ppm\ 240 mg/m ³	TWA: 5 ppm\ 24 mg/m ³
Isopropyl alcohol	67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm 980 mg/m ³	STEL: 400 ppm

Appropriate Engineering Controls

Engineering Controls: None required.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Safety glasses or goggles

Skin and Body Protection: None required.

Respiratory Protection: None required.

General Hygiene Considerations: Avoid contact with eyes.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information :

Eye Contact: May cause eye irritation.

Skin Contact: Not a hazard.

Ingestion: May be harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
4-Dodecylbenzenesulfonic acid	121-65-3	No data available	No data available	No data available
Sodium metasilicate	10213-79-3	1152-1349 mg/kg(Rat)	>5000 mg/kg (Rat)	>2.06 g/m ³ (Rat)
2-Butoxy ethanol	111-76-2	745 mg/kg (Rat)	1250 mg/kg (Rat)	550 ppm 4 h (Rat)
Isopropyl alcohol	67-63-0	5045 mg/kg (Rat)	12800 mg/kg (Rabbit)	16000 ppm 8 h (Rat)

Chemical Name	4-Dodecylbenzenesulfonic acid	Sodium metasilicate
Skin corrosion/irritation	No data available	Corrosive
Serious eye damage/irritation	No data available	corrosive
Respiratory or skin sensitization	No data available	Not sensitizing
Mutagenicity	No data available	negative
Carcinogenicity	Not classified	Not a carcinogen
Reproductive toxicity	No data available	negative
Specific target organ toxicity-Single exposure	No data available	Irritating to respiratory system.
Specific target organ toxicity-repeated exposure	No data available	Not classified
Aspiration hazard	No data available	Not classified

Chemical Name	2-Butoxy ethanol	Isopropyl alcohol
Skin corrosion/irritation	irritating	Mild irritation
Serious eye damage/irritation	irritating	irritation
Respiratory or skin sensitization	Did not cause sensitization	No data available
Mutagenicity	negative	No data available
Carcinogenicity	Not classified as human carcinogen	Not classified as human carcinogen
Reproductive toxicity	negative	No data available
Specific target organ toxicity-Single exposure	No data available	May cause drowsiness or dizziness
Specific target organ toxicity-repeated exposure	No data available	No data available
Aspiration hazard	Not a hazard	No data available

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: This product does contain carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity: Not determined

Section XII - Ecological information

Ecotoxicity

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
4-Dodecylbenzenesulfonic acid	121-65-3	No data available	No data available	No data available
Sodium metasilicate	10213-79-3	No data available	LC50 Fish (Brachydanio rerio) 210 mg/l, 96 h	EC50 (Daphnia magna) 1700 mg/l, 48 h
2-Butoxy ethanol	111-76-2	EC50 (Pseudokirchneriella subcapitata) Green algae, 911 mg/l, 72 h	LC50 (Oncorhynchus mykiss) Rainbow trout, 1474 mg/l, 96 h	EC50 (Daphnia magna) Water flea 1800 mg/l, 48 h
Isopropyl alcohol	67-63-0	EC50 Desmodesmus subspicatus (green algae), >2000 mg/l, 72 h	LC50 Pimephales promelas (Fathead minnow) 9640 mg/l, 96 h	EC50 (Daphnia magna) Water flea 5102 mg/l, 24 h

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

No data available

Section XIII - Disposal considerations

Waste Disposal Method

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State.

Section XIV - Transport information

DOT Proper Shipping Description:

Bulk & Non Bulk: NA1760, Compounds, cleaning liquid, N.O.S. (Sodium metasilicate, 2-Butoxy ethanol), 8, PGIII

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): acute and chronic health hazards.

SARA Title III Section 313 (40CFR372): 2-Butoxy ethanol, Isopropyl Alcohol

RCRA Status (40CFR261.33): No reportable components.

TSCA Inventory Status: Reported/included

OSHA/NTP/IARC Carcinogen Status: Not listed

Canadian DSL Status: Reported/included

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:

None.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
4-Dodecylbenzenesulfonic acid	X	Not listed	X
Sodium metasilicate	Not listed	Not listed	Not listed
2-Butoxy ethanol	X	X	X
Isopropyl alcohol	X	X	X

Section XVI - Other information

HMIS ratings: Health: 2 Flammability: 0 Reactivity: 1
Indication of changes: Revision – 1
Date Sheet Prepared: 11/19/2015 Other information: Author – EHS Administrator

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS