

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name PetroBreak

Other means of identification

Product Code 1101

Recommended use of the chemical and restrictions on use

Recommended use Degreaser
Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Company Name Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

Skin Irritant	Category 2
Eye Irritant	Category 2A

Label elements

Emergency Overview

WARNING

Hazard statements

Causes skin and serious eye irritation.

**Appearance:** Red Liquid**Physical state:** Liquid**Odor:** Mild odor

Precautionary Statements - Prevention

Keep out of the reach of children. Wash hands thoroughly after handling. Wear protective gloves and eye protection.

Precautionary Statements - Response

If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Precautionary Statements - Storage

Store in a cool, dry area. Keep away from temperatures below freezing.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

N/A

Unknown Acute Toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Sodium Metasilicate	6834-92-0	1-5%	*
EDTA	60-00-4	5-25%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Skin Contact	Immediately wash with soap and warm water for 15 minutes.
Eye Contact	Immediately flush with water for 15 minutes while holding eyelids open. Seek medical attention if irritation develops.
Inhalation	Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.
Ingestion	Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Drink large quantities (1 qt, 2-4 glasses) of water. Seek immediate medical attention.

Most important symptoms and effect, both acute and delayed

Acute health hazards Eyes: redness, tearing, blurred vision
Skin: defatting and dermatitis

CHRONIC HEALTH HAZARDS: None Known

Indication of any immediate medical attention and special treatment needed

Note to physicians There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use appropriate media for surrounding fire.

Unsuitable extinguishing media: N/A

Specific hazards arising from the chemical

N/A

Hazardous combustion products: N/A

Protective equipment and precautions for firefighters

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Refer to section VIII for proper Personal Protective Equipment.

Methods and material for containment and cleaning up

Methods for containment & cleaning up Mop or soak up with appropriate absorbent material. Remove out of doors. Flush with water. Dispose in accordance with local, state and federal laws. Non-hazardous.

RCRA status Product should be fully characterized prior to disposal (40 CFR 261).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a cool, dry area. Keep away from temperatures below freezing.

Incompatible materials Strong acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

CHEMICAL NAME	ACGIH TLV	OSHA PEL
Sodium Metasilicate	Not Established	N/A
EDTA	N/A	15 mg/m3

Appropriate engineering controls

Engineering Controls Not required

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses

Skin and body protection Chemical resistant gloves

Respiratory protection Not required with adequate ventilation

General Hygiene Wash hands and clothing in contact with product after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid
Appearance Red Liquid
Color Red
Odor Mild odor
Odor threshold N/D

<u>Property</u>	<u>Values</u>
pH	12.4-13.9
Melting Point/Freezing Point	32°F
Initial Boiling Point And Boiling Range	> 212°F (100°C)
Flash Point	N/D
Evaporation Rate	Slow
Flammability(Solid/Gas)	Not considered a flammable liquid by OSHA (29CFR 1910.1200)
Upper/Lower Flammability Or Explosive Limits:	
Lower Flammability Limit	N/D
Upper Flammability Limit	N/D
Explosive Limit Lower (%)	N/D
Explosive Limit Upper (%)	N/D
Vapor Pressure (Mm Hg)	N/D
Vapor Density (Air=1)	N/D
Relative Density (H2o=1)	1.035-1.05@ 77° F (25° C)
Solubility(ies)	100% water
Partition Coefficient	n-OCTANOL/WATER (KOW): N/D
Autoignition Temperature	N/D
Decomposition Temperature	N/D
Viscosity	N/D

10.STABILITY AND REACTIVITY

Reactivity
None Known

Chemical stability
Stable

Possibility of Hazardous Reactions
None Known

Conditions to avoid
Do not mix with strong acids.

Incompatible materials
Strong acids

Hazardous Decomposition Products
Oxides of carbon

11.TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Eyes, Ingestion, Inhalation, Skin

Product Information

Inhalation	Irritant. Avoid breathing spray mist. May cause irritation to respiratory tract.
Eye contact	Mild if any irritation
Skin Contact	Causes irritation, dermatitis with prolonged exposure.
Ingestion	May cause gastrointestinal irritation.

Information on toxicological effects

Not Established

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision Skin: defatting and dermatitis.

CHRONIC HEALTH HAZARDS: None Known.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity **OSHA:** No **ACGIH:** No **NTP:** No I **ARC:** No **OTHER:** N/A

ACGIH (American Conference of Governmental Industrial Hygienists)
 A3 - Animal Carcinogen
 IARC (International Agency for Research on Cancer)
 Group 2B - Possibly Carcinogenic to Humans
 Group 3 - Not classifiable as a human carcinogen
 NTP (National Toxicology Program)
 Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
 OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 X - Present

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not Established

Persistence and degradability

Component or components of this product are not biodegradable.

Bioaccumulation

This product is not expected to bioaccumulate.

Mobility in soil

This product is mobile in soil.

Other adverse effects

None Known

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Dispose in accordance with local, state and federal laws. Non-hazardous.

RCRA status Product should be fully characterized prior to disposal (40 CFR 261).

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

DOT, AIR SHIPMENT & SHIPPING BY WATER

UN/ID No.	N/A
Proper shipping name	Cleaning Compound, N.O.S., Non Regulated
Hazard Class	None
Packing Group	N/A
Marine pollutant	N/A

15. REGULATORY INFORMATION

International Inventories

TSCA All Chemicals are listed or exempt.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

SARA 313

None

SARA 311/312 Hazard Categories

Acute health hazard YES

CWA (Clean Water Act)

None

CERCLA

None

US State Regulations

California Proposition 65

None

Volatile Organic Compounds (VOC)

0%

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards	1	Flammability	0	Reactivity	0	Other	N/A
<u>HMIS</u>	Health hazards	1	Flammability	0	Reactivity	0	Personal protection	B

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N/A = Not Applicable; N/D = Not Determined

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet