

SAFETY DATA SHEET



Date Prepared : 07/01/2016
SDS No : Big Brute Liquid
Date Revised : 03/29/2021
Revision No : 2

1. PRODUCT AND COMPANY IDENTIFICATION

GENERAL USE: 208-375-7200
PRODUCT DESCRIPTION: Heavy Duty Detergent
PRODUCT CODE: Big Brute Liquid
PRODUCT FORMULATION NAME: Big Brute Liquid
CHEMICAL FAMILY: Alkaline Detergent

MANUFACTURER

Technichem
P.O. Box 475
Rupert, ID 83350
Emergency Contact: Corporate Office
Emergency Phone: 208-531-4100
Customer Service: 208-531-4100
Transportation: 1-800-633-8253 PERS

24 HR. EMERGENCY TELEPHONE NUMBERS

PERS 1-800-633-8253 contract # 8575

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Can cause severe eye irritation.

GHS LABEL

Causes severe skin and eye burns.



Exclamation
mark



Corrosion

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

General:

P262: Do not get in eyes, on skin, or on clothing.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Slight yellow liquid

IMMEDIATE CONCERNS: Causes skin and eye irritation.

POTENTIAL HEALTH EFFECTS

EYES: Contact causes severe eye irritation.

SKIN: Corrosive, causes skin burning.

SKIN ABSORPTION: Corrosive, causes skin burning.

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INGESTION: Can burn mouth, throat and stomach.

INHALATION: Dust or vapor irritating to eyes and respiratory tract.

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: None

CARCINOGENICITY: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Hydroxide	< 4	1310-73-2
Silicic Acid (h ₂ sio ₃), Disodium Salt	< 2	6834-92-0
Triphosphoric Acid, Pentasodium Salt	< 2	7758-29-4
Oils, Pine	< 1	8002-09-3
Sodium Xylenesulfonate	< 11	1300-72-7
Benzenesulfonic Acid, C10-16-alkyl Derivs.	< 3	68584-22-5
Linear Primary Alcohol Ethoxylate	< 2	68439-46-3

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation and redness

SKIN: Irritation and redness

SKIN ABSORPTION: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or juice. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: None

FLAME PROPAGATION OR BURNING RATE OF SOLIDS: None Expected.

GENERAL HAZARD: None Expected.

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: None Expected.

OTHER CONSIDERATIONS: None

EXPLOSION HAZARDS: None

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HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Mop up with water and rinse

LARGE SPILL: After removal, flush contaminated area thoroughly with water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: None Expected.

LAND SPILL: None Expected.

AIR SPILL: None Expected.

GENERAL PROCEDURES: Clean up spills immediately, observing precautions in Protective Equipment section.

SPECIAL PROTECTIVE EQUIPMENT: Nitrite gloves, Goggles, Face Shield, Rubber Apron / Rain Suit and Rubber Boots

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep container closed when not in use.

HANDLING: Keep away from heat and flame.

STORAGE: Keep from freezing.

STORAGE TEMPERATURE: Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)			
Chemical Name	EXPOSURE LIMITS		
	Type	ppm	mg/m ³
Sodium Hydroxide	OSHA PEL	TWA	2
	Supplier OEL	TWA	NL
		STEL	NL

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Good general ventilation should be sufficient to control airborne levels.

SKIN: Nitrile gloves

RESPIRATORY: No special ventilation requirements.

PROTECTIVE CLOTHING: Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

WORK HYGIENIC PRACTICES: Do not smoke when using this product or any chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)
Linear Primary Alcohol Ethoxylate	334

PHYSICAL STATE: Liquid

ODOR: Slight Pine Scent

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APPEARANCE: Light Yellow Liquid
pH: 12.5 to 13
PERCENT VOLATILE: 96
FLASH POINT AND METHOD: None
FLAMMABLE LIMITS: 0 to 0
AUTOIGNITION TEMPERATURE: None
VAPOR PRESSURE: NA = Not Applicable
VAPOR DENSITY: NA = Not Applicable
BOILING POINT: 210 F
FREEZING POINT: 32 F
SOLUBILITY IN WATER: 100%
EVAPORATION RATE: Water = 1 Big Brute Liquid = .9
DENSITY: NA = Not Applicable
SPECIFIC GRAVITY: 1.106 @ 66 F
VISCOSITY: NA = Not Applicable
(VOC): 2
WEIGHT PER VOLUME: 9 Gallon

10. STABILITY AND REACTIVITY

REACTIVITY: None
HAZARDOUS POLYMERIZATION: None Expected.
STABILITY: Stable.
CONDITIONS TO AVOID: Aluminum, any soft Metals and Paint
POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.
HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.
INCOMPATIBLE MATERIALS: Aluminum, any soft Metals and Paint

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀
Linear Primary Alcohol Ethoxylate	1 400 to 2700	> 4000

DERMAL LD₅₀: May cause skin irritation

INHALATION LC₅₀: May cause allergy or asthma symptoms or breathing difficulties if inhaled

SKIN CORROSION/IRRITATION: Causes skin irritation.

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITISATION: May cause allergy or asthma symptoms or breathing difficulties if inhaled

GERM CELL MUTAGENICITY: None Expected.

CARCINOGENICITY

IARC: None Expected.

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NTP: None Expected.

OSHA: None Expected.

NOTES: None

REPRODUCTIVE TOXICITY: None

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: None Expected.

ECOTOXICOLOGICAL INFORMATION: None known.

BIOACCUMULATION/ACCUMULATION: None known.

DISTRIBUTION: NA = Not Applicable

AQUATIC TOXICITY (ACUTE): None Expected.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Neutralize with acid to reach a Ph between 5 and 9 and dispose of into a waste water treatment system.
 Spent product may already be at a Ph of 9 or below.

FOR LARGE SPILLS: Neutralize with acid to reach a Ph between 6 and 8 and dispose of into a waste water treatment system.
 Spent product may already be at a Ph of 9 or below.

PRODUCT DISPOSAL: Disposal should be in accordance with regulations

EMPTY CONTAINER: Rinse with water, recycle if possible

RCRA/EPA WASTE INFORMATION: None Expected.

RCRA HAZARD CLASS: None Expected.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Liquid Cleaning Compound

TECHNICAL NAME: Liquid Cleaning Compound

PRIMARY HAZARD CLASS/DIVISION: None

U.S. SURFACE FREIGHT CLASS: 55

PLACARDS: None

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Liquid Cleaning Compound

TECHNICAL NAME: Liquid Cleaning Compound

PRIMARY HAZARD CLASS/DIVISION: None

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: NA = Not Applicable

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

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Chemical Name	Wt.%	CERCLA RQ
Sodium Hydroxide	< 4	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Hydroxide	1310-73-2
Silicic Acid (h2sio3), Disodium Salt	6834-92-0
Triphosphoric Acid, Pentasodium Salt	7758-29-4
Oils, Pine	8002-09-3
Sodium Xylenesulfonate	1300-72-7
Benzenesulfonic Acid, C10-16-alkyl Derivs.	68584-22-5
Linear Primary Alcohol Ethoxylate	68439-46-3

CARCINOGEN: None

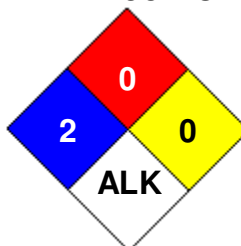
16. OTHER INFORMATION

APPROVED BY: Brian Rencher TITLE: President
 PREPARED BY: Brian Rencher Date Revised: 03/29/2021
 INFORMATION CONTACT: 208-375-7200
 REVISION SUMMARY: This SDS replaces the 07/01/2016 SDS.

HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		C

NFPA CODES



MANUFACTURER DISCLAIMER: This SDS is written with the best of our chemical knowledge and with common sense and in every day terms. If you do not understand a term or phrase please ask a supervisor.