

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME HEAVY DUTY DEGREASER **ITEM** WF930004LQ
PRODUCT USE Butyl Based Foaming Degreaser
COMPANY NAME BCW GROUP, LLC **Office** 866-634-4440
412 Coushatta Dr. **Fax**
Denison, TX 75020 **Web** bcwgroup.net
EMERGENCY TELEPHONE NUMBER **CHEMTREC (800) 424-9300**

SECTION – 2 HAZARDS INFORMATION

Physical Hazards CORROSIVE TO METALS-Category 1
Health Hazards EYES-Category 1; SKIN-Category 1C; STOT SINGLE EXPOSURE-Category 3
Environmental ACUTE-Aquatic Toxicity-Category 3; CHRONIC-Aquatic Toxicity-Category 3



Respiratory Tract Irritant



Corrosive to Metals
 Eye Damage
 Skin Corrosion/Burns

Danger May be corrosive to metals
 Causes severe skin burns and eye damage, May cause mild respiratory irritation
 May be harmful if swallowed, Do not get in eyes, on skin, or clothing, and avoid inhalation of mist or vapor, Do not smoke, eat or drink while using, Use proper Safety Equipment, safety glasses, or goggles, rubber gloves, and protective clothing, Wash thoroughly after handling, Avoid release into the environment

SECTION – 3 COMPOSITION INFORMATION (Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Sodium Hydroxide	Caustic Soda	1310-73-2	Water 50%	1 - 3%
Nonylphenol Ethoxylate	Polyoxyethylene Nonyl Phenyl Ether	127087-87-0	Poly(ethylene oxide) < 3%, Dinonylphenyl polyoxyethylene < 2%	1 - 5%
Glycol Ether EB	Ethylene Glycol Monobutyl Ether	111-76-2		1 - 5%

SECTION – 4 FIRST AID MEASURES

EYE CONTACT Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, Obtain immediate medical attention, preferably from an ophthalmologist or Emergency Room

SKIN CONTACT Immediately wash contaminated skin with a nonabrasive soap and plenty of water for at least 15 minutes, Remove contaminated shoes or clothing and wash before reuse, If irritation occurs or persists obtain medical attention

INHALATION Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention

INGESTION DO NOT INDUCE VOMITING. If person is fully conscious give one to two glasses of water to dilute and obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

Aspiration Hazard Not applicable

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Causes serious eye irritation, redness, burning sensation, pain, corrosive burns, or possible eye damage
Skin Causes serious skin irritation, itching, redness, burning, drying, cracking, or possible corrosive burns
Inhalation Mist or vapor can cause irritation, to respiratory tract
Ingestion May be harmful if swallowed, May cause corrosive burns, of the mouth, throat, esophagus, and gastrointestinal tract

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes serious eye damage, severe pain, corrosive burns, or possible corneal injury
Skin Causes serious skin damage, defatting of the skin which may lead to dermatitis, or possible corrosive burns
Inhalation Mist or vapor can cause serious irritation, to mucus membranes or respiratory tract
Ingestion May be harmful if swallowed, Causes corrosive burns, of the mouth, throat, esophagus, stomach, and gastrointestinal tract, May affect target organs, Symptoms may include, nausea, diarrhea, vomiting, abdominal pain

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable: Use extinguishing media for surrounding fire
Hazardous Decomposition	Burning or thermal decomposition can produce, sulfur oxides, aldehydes, sodium oxides, ketones, and other toxic fumes
Reactive With	Reactive with, strong oxidizing agents, strong acids, alkaline earth metals
Explosion Hazards	Not applicable
Static Discharge	Not applicable
Mechanical Impact	Not applicable
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill, Stop spill or release only if it can be done safely
Personal Precautions	Avoid slipping on spilled product, Keep unprotected personnel from entering the hazard area
Protective Equipment	Safety Glasses, Gloves, Chemical Apron and Rubber Boots
Containment	Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from entering the environment
Clean Up Procedures	Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water Large Spills: Absorb spill with inert material, place in a chemical waste container, mop area with clean water
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Keep away from incompatible materials, Use appropriate safety equipment, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment, Triple rinse container before discarding
Storage	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store in a cool dry place away from incompatible materials, Keep from freezing
Incompatible Materials	Incompatible with, strong oxidizing agents, strong acids, alkaline earth metals

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Sodium Hydroxide	2 mg/m ³		2 mg/m ³	2 mg/m ³	EI,SI
Nonylphenol Ethoxylate	None Established				
Glycol Ether EB	20 ppm		50 ppm (240 mg/m ³)		SA

PERSONAL PROTECTIVE EQUIPMENT



Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



Impervious Protective Clothing



Eye Wash (Recommended)



Ventilation

General Ventilation

If exposure limits listed above are exceeded, or irritation is experienced, use a MSHA / NIOSH approved respirator

HMIS HAZARD RATINGS

Health	3
Flammability	0
Reactivity	0
Personal Protection	C

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 93.3°C (200°F) - TAG Closed Cup	Specific Gravity / Density	1.055
Flammable Limits	ND	pH (± 0.3)	12.5
Auto-Ignition Temp.	ND	Viscosity	ND
Physical State	Liquid	Freeze Point	~ 0°C (32°F)
Appearance	Clear	Boiling Point	~ 100°C (212°F)
Odor	Mild	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mm Hg)	ND
Solubility	100%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 89%	Partition Coefficient	ND
VOC	< 4%	Molecular Weight (g/mol)	~ 66.69
LVP-VOC	0%	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	No specific test data related to reactivity available for this product or its ingredients
Chemical Stability	Stable when stored above 4.4°C (40°F) and below 49°C (120°F)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong reducing agents, strong acids, alkaline earth metals
Thermal Decomposition	Burning or thermal decomposition can produce, sulfur oxides, aldehydes, carbon monoxide, carbon dioxide, sodium oxides, ketones, and other toxic fumes

SECTION – 11 TOXICOLOGICAL INFORMATION**ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Ingestion (Yes), Inhalation (Yes "Mist or Vapors")

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes	Causes serious eye irritation, redness, burning sensation, pain, corrosive burns, or possible eye damage
Skin	Causes serious skin irritation, itching, redness, burning, drying, cracking, or possible corrosive burns
Inhalation	Mist or vapor can cause irritation, to respiratory tract
Ingestion	May be harmful if swallowed, May cause corrosive burns, of the mouth, throat, esophagus, and gastrointestinal tract

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes serious eye damage, severe pain, corrosive burns, or possible corneal injury
Skin	Causes serious skin damage, defatting of the skin which may lead to dermatitis, or possible corrosive burns
Inhalation	Mist or vapor can cause serious irritation, to mucus membranes or respiratory tract
Ingestion	May be harmful if swallowed, Causes corrosive burns, of the mouth, throat, esophagus, stomach, and gastrointestinal tract, May affect target organs, Symptoms may include, nausea, diarrhea, vomiting, abdominal pain

Acute Tox Calculated Oral: 4,499 mg/kg Dermal: 15,190 mg/kg Inhaled: 24.4 mg/L

Acute Tox Category Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal > 5000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist

Additional Info

Target Organs	Blood, Kidneys, Liver, Mucous Membranes, Respiratory Tract, Eyes (Lens or cornea), Skin
Medical Conditions	Preexisting, eye, skin, liver, kidney, blood, respiratory, disorders may be aggravated by exposure to this product
Notes to Physician	In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption

CARCINOGENIC – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	NTP	ACGIH	IARC	GHS Category
None Listed	NA	NA	NA	NA

MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:

CHEMICAL NAME	Germ Cell Mutagenicity	Toxic to Reproduction
None Listed	NA	NA

COMPONENTS ACUTE TOXICITY

CHEMICAL NAME	Type	Form	Subject	Result Value	Exposure Time	GHS Category
Sodium Hydroxide	LD50	Oral	Rabbit	400 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rabbit	> 2,000 mg/kg		(>2000 mg/kg)
Nonylphenol Ethoxylate	LD50	Oral	Rat	960 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Inhaled	Rat	1.15 mg/L	4 Hours (Mist)	4 (>1.0, ≤5 mg/L)
	LD50	Dermal	Rabbit	2,001 mg/kg		(>2000 mg/kg)
Glycol Ether EB	LD50	Oral	Rat	1,746 mg/kg		4 (>300, ≤2000 mg/kg)
	LD50	Dermal	Rat	2,270 mg/kg		(>2000 mg/kg)
	LC50	Inhaled	Rat	5.92 mg/L	4 Hours (Mist)	(>5 mg/L)

SECTION – 12 ECOLOGICAL INFORMATION

CHEMICAL NAME	Type	Subject	Subject Latin	Result Value	Exposure Time	GHS Category
Sodium Hydroxide	LC50	Bluegill	(Lepomis macrochirus)	99 mg/L	48 Hours	3 (>10, ≤100 mg/L)
	LC50	Brown shrimp	(Crangon crangon)	30 mg/L	48 Hours	3 (>10, ≤100 mg/L)
	LC50	Mosquito Fish	(Gambusia affinis)	125 mg/L	96 Hours	4 (>100 mg/L)
Nonylphenol Ethoxylate	LC50	Fathead Minnow	(Pimephales promelas)	3.8 mg/L	96 Hours	2 (>1, ≤10 mg/L)
	LC50	Water Flea	(Daphnia magna)	9.3 mg/L	48 Hours	2 (>1, ≤10 mg/L)
Glycol Ether EB	EC50	Water Flea	(Daphnia magna)	1,815 mg/L	24 Hours	4 (>100 mg/L)
	LC50	Bluegill	(Lepomis macrochirus)	220 mg/L	96 Hours	4 (>100 mg/L)

Persistence And Degradability This product is inherently biodegradable according to the OECD definition, There is no degradation of sodium hydroxide in waters, only loss by absorption or through chemical neutralization

Bioaccumulative Potential There is no evidence to suggest bioaccumulation will occur

Mobility In Soil This material is a partially mobile liquid

Other Adverse Effects Harmful to aquatic life with long lasting effects

SECTION – 13 DISPOSAL CONSIDERATIONS**DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER**


Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

ENVIRONMENTAL FATE

Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste.

CONTAINER DISPOSAL - Triple rinse empty container then offer for recycling. If not available, puncture and dispose in a sanitary landfill.

SECTION – 14 TRANSPORT INFORMATION**DOT CLASSIFICATION**

UN Number	Proper Shipping Name		n.o.s. (Chemicals) or "Limits"						
Ltd Qty	"Limited Quantity"		"Inner packaging not over 5.0 Liters (1.3 gallons)"						
Hazard Class	Packing Group	Label Codes	Reportable Quantity (lbs)	Response	Marine Pollutant	Hazard Label	Secondary		
None	None	None	None	154	No				

Additional Info: Shipping information for: (Pints, Quarts and Gallons)

SECTION – 15 REGULATORY INFORMATION

TSCA														
CHEMICAL NAME	Sec 8(b) Inventory			Sec 8(d) Health And Safety			Sec 4(a) Chemical Test Rules			Sec 12(b) Export Notification				
Sodium Hydroxide	Yes													
Glycol Ether EB	Yes			Yes										
REPORTABLE QUANTITIES														
CHEMICAL NAME	Extremely Hazardous			Reportable Quantity			Emission Reporting			RCRA Code		RMP TQ Sec 112r		
	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r								
Sodium Hydroxide				1000										
Glycol Ethers							Yes							
SARA														
CHEMICAL NAME	Section 311			Section 311 / 312 Hazards										
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive								
Sodium Hydroxide	Yes	Yes												
Nonylphenol Ethoxylate	Yes	Yes												
Glycol Ether EB	Yes	Yes	Yes	Yes										
RIGHT TO KNOW														
CHEMICAL NAME	STATE													
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI	
Sodium Hydroxide						Yes		Yes				Yes		
Nonylphenol Ethoxylate						Yes		Yes						
Glycol Ether EB						Yes		Yes				Yes		
CALIFORNIA														
CHEMICAL NAME	CAS #	WARNING! This product contains chemicals known to the state of California to cause:												
		Birth Defects	Reproductive Harm	Carcinogen	Developmental									
None Listed														
CLEAN AIR WATER ACTS														
CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts									
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP							
None Listed														
INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:														
CHEMICAL NAME	Australia	Canada	Europe (EINECS)			Japan	Korea	UK						
Sodium Hydroxide	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes					
Glycol Ether EB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes					
WHMIS Classification														
CHEMICAL NAME	DSL	Class	Description											
Sodium Hydroxide	Yes	E	Corrosive Material											
Sodium Hydroxide, Glycol Ether EB	Yes	D-2B	Materials Causing Other Toxic Effects; Toxic Material											

SECTION – 16 OTHER INFORMATION

SDS **LEGEND DESCRIPTION**

ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given time
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of exposure
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	LD	Liver Damage
CI	Cochlear Impairment	NA	Not Applicable
CNS	Central Nervous System	ND	Not Determined
EC50	Concentration of a chemical that gives half-maximal response	NFPA	National Fire Protection Association
EPA	Environmental Protection Agency	NIOSH	National Institute for Occupational Safety and Health
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NE	Not Established
FBG	Full Bunker Gear	NTP	National Toxicology Program
GHS	Globally Harmonized System	OSHA	Occupational Safety and Health Administration
HAP	California Hazardous air pollutant Clean Air Act	PEL	Permissible Exposure Limit (OSHA)
HMIS-A	Safety Glasses	PNS	Peripheral Nervous System
HMIS-B	Safety glasses, gloves	PP	California Priority Pollutant under the Clean Water Act
HMIS-C	Safety glasses, gloves, chemical apron	REL	Recommended exposure limit (NIOSH)
HMIS-D	Face shield, gloves, chemical apron	RT	Upper Respiratory Tract
HMIS-E	Safety glasses, gloves, dust respirator	Skin	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
HMIS-F	Safety glasses, gloves, chemical apron, dust respirator	SARA	Superfund Amendments and Reauthorization Act
HMIS-G	Safety glasses, gloves, vapor respirator	STEL	Short Term Exposure Limit (15 minutes)
HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time
HMIS-I	Safety glasses, gloves, dust and vapor respirator	TD Lo	Lowest dose that is toxic to a given species
HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator	TLV	Threshold Limit Value (ACGIH)
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act
HMIS-X	Ask Supervisor	TSCA	Toxic Substances Control Act
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)
KD	Kidney Damage (nephropathy)	UEL	Upper Explosive Limit

BCW GROUP, LLC

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