

SAFETY DATA SHEET

Modern Chemical Defoamer

Revision Date 01/02/2018

SECTION - 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Modern Chemical Defoamer	PRODUCT USE	Defoamer	ITEM	215-374
COMPANY NAME	Modern Chemical, Inc.	Office	(501) 988-1311		
	P.O. Box 368	Fax	(501) 988-2229		
	Jacksonville AR 72078	Web	www.bluegoldcleaner.com		
	EMERGENCY TELEPHONE NUMBER	INFOTRAC	(800) 535-5053		

SECTION - 2 HAZARDS INFORMATION

PHYSICAL HAZARDS None

HEALTH HAZARDS EYES-Category 2B; SKIN-Category 2; STOT SINGLE EXPOSURE-Category 3



Irritant (skin and eye)
Respiratory Tract Irritant

WARNING! Causes eye irritation, Causes skin irritation, Harmful if swallowed, May cause respiratory irritation, Do not get in eyes, on skin, or clothing, Use personal protective equipment as required, 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 Xylene Sulfonate	Xylenesulfonic acidsodium salt	1300-72-7	Water < 60%	1 - 20%

SECTION - 4 FIRST AID MEASURES

EYE CONTACT	Flush eyes with cold water while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists seek medical aid
SKIN CONTACT	Wash with soap and water, Remove any contaminated clothing and wash before reuse, If irritation occurs or persists seek medical aid
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, rinse mouth out and 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	Can cause eye irritation
Skin	Can cause skin irritation
Inhalation	Spray mist may cause mild irritation, to respiratory tract
Ingestion	Harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus, Minimal acute toxicity if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes eye irritation, discomfort, redness, tearing, or pain
Skin	Causes skin irritation, redness, burning, drying or cracking
Inhalation	Spray mist may cause irritation, to respiratory tract
Ingestion	Harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus, Slight acute toxicity if swallowed

SECTION - 5 FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable: Use extinguishing media for surrounding fire
Hazardous Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes
Reactive With	Reactive with, strong oxidizing agents, strong reducing agents, strong bases
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

FLAMMABLE LIQUIDS HAZARD CLASSIFICATION

Criteria Flash point > 93.3°C (200°F)
NFPA Class III B
GHS Not applicable
WHMIS Not applicable

NFPA HAZARD RATINGS

Health	1
Flammability	0
Reactivity	0
Personal Protection	FBG

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill
Personal Precautions	Avoid slipping on spilled product
Protective Equipment	Safety Glasses, Gloves
Containment	Use 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 (e.g., dry sand or earth), then place in a chemical waste container Vacuum or sweep up material and place in a disposal container
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Use appropriate safety equipment, Avoid eye and skin contact, Harmful if swallowed, Wash thoroughly after handling, Avoid release to the environment
Storage	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store away from incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong reducing agents, strong bases

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Sodium Xylene Sulfonate	None	Established			

PERSONAL PROTECTIVE EQUIPMENTChemical Safety Glasses,
Goggles or Face ShieldImpervious
Chemical GlovesEye Wash
(Recommended)**Ventilation**

General Ventilation

HMIS HAZARD RATINGS

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	Not Flammable	Specific Gravity / Relative Density	1.045
Flammable Limits	ND	Molecular Weight	58.06
Auto-Ignition Temp.	ND	Initial Boiling Point	ND
Physical State	Liquid	Boiling Range	ND
Appearance	Clear Light Amber	Vapor Pressure	ND
Odor	Mild	Vapor Density	ND
Odor Threshold	ND	Freeze Point	ND
Solubility	100%	Melting Point	ND
Volatiles	< 70%	Partition Coefficient	ND
VOC	< 1%	Decomposition Temperature	ND
pH (± 0.3)	3.54	Evaporation Rate	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable when stored 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 bases
Thermal Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes

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

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

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause eye irritation
 Skin Can cause skin irritation
 Inhalation Spray mist may cause mild irritation, to respiratory tract
 Ingestion Harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus, Minimal acute toxicity if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes Causes eye irritation, discomfort, redness, tearing, or pain
 Skin Causes skin irritation, redness, burning, drying or cracking
 Inhalation Spray mist may cause irritation, to respiratory tract
 Ingestion Harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus, Slight acute toxicity if swallowed
 Acute Tox Calculated Oral: 15,652 mg/kg Dermal: 8,000 mg/kg Inhaled: 800 mg/L
 Acute Tox Category "Not applicable (Oral > 2,000 mg/kg)", "Not applicable (Dermal > 2,000 mg/kg)", "Not applicable (Inhaled > 5 mg/L) Dust or Mist"
 Additional Info
 Target Organs Eyes (Lens or cornea)
 Medical Conditions Preexisting, eye, 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:

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed				

MUTAGENIC AND REPRODUCTIVE EFFECTS – May cause fetal and reproductive abnormalities.

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed		

COMPONENTS ACUTE TOXICITY

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Sodium Xylene Sulfonate	LD50	Oral	Rat	7,200 mg/kg		(>2000 mg/kg)
Ethoxylated Polyoxypropylene	LD50	Oral	Rat	15,300 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	> 2,000 mg/kg		(>2000 mg/kg)
	LD50	Inhaled	Rat	> 200 mg/L		(>20 mg/L)

SECTION – 12 ECOLOGICAL INFORMATION

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Ethoxylated Polyoxypropylene	LC50	Fish	(Unknown Species)	> 100 mg/L		4 (>100 mg/L)

Presistence And Degradability No specific biodegradation test data was located
Bioaccumulative Potential No data available
Mobility In Soil No data available
Other Adverse Effects No data available

SECTION – 13 DISPOSAL CONSIDERATIONS

Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, State and Local Regulations.

SECTION – 14 TRANSPORT INFORMATION**D.O.T. CLASSIFICATION**

<u>UN Number</u>	<u>Proper Shipping Name</u>	<u>n.o.s. (Chemicals) or "Limits"</u>
Not Regulated	Non Hazardous – Compounds Cleaning Liquid	

<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response Code</u>	<u>Marine Pollutant</u>
None	PG III	None	None	154	No

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
Ethoxylated Polyoxypropylene	Yes			
Sodium Xylene Sulfonate	Yes			

REPORTABLE QUANTITIES

CHEMICAL NAME	Extremely Hazardous		Reportable Quantity	Emission Reporting		RMP TQ Sec 112r
	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	
Ethylene Oxide	1,000 lb	10 lb	10 lb	Yes	U115	10,000
1, 4-Dioxane			100 lb	Yes	U108	
Propylene Oxide	10,000 lb	100 lb	100 lb	Yes		10,000

SARA

CHEMICAL NAME	Section 311		Section 311 / 312 Hazards			
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
Sodium Xylene Sulfonate	Yes	Yes				

RIGHT TO KNOW

RIGHT TO KNOW						STATE							
CHEMICAL NAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Ethoxylated Polyoxypropylene						Yes		Yes					
Sodium Xylene Sulfonate						Yes		Yes					

CALIFORNIA

WARNING! This product contains chemicals known to the state of California to cause:

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
Ethylene Oxide	75-21-8	Yes		Yes	
Propylene Oxide	75-56-9			Yes	
1, 4-Dioxane	123-91-1			Yes	

CLEAN AIR WATER ACTS

<u>CLEAN AIR WATER ACTS</u>		Clean Air Acts			Clean Water Acts		
CHEMICAL NAME	CAS #	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
Ethoxylated Polyoxypropylene	Yes	Yes	Yes	Yes	Yes	Yes
Sodium Xylene Sulfonate	Yes	Yes	Yes	Yes	Yes	Yes

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
Ethoxylated Polyoxypropylene	Yes		

Standard Risk And Safety Phrases

Code	Definition (R-Phrases / S-Phrases)
R22	Harmful if swallowed
R36/38	Irritating to eyes and skin
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible
S24/25	Avoid contact with skin and eyes
S37/39	Wear suitable gloves and eye/face protection

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
CERCL	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	Air concentration that is lethal to 50% of 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

Modern Chemical, Inc. and Abernathy Company have compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.

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