

SECTION - 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Beam	PRODUCT USE	Automatic Machine Rinse Additive	ITEM	102
COMPANY NAME	Abernathy Company 3800 Abernathy Drive Texarkana AR 71854	Office	(800) 962-7498	Fax	(870) 772-2908
		Web	www.abernathycompany.com		
EMERGENCY TELEPHONE NUMBER		INFOTRAC	(800) 535-5053		

SECTION - 2 HAZARDS INFORMATION



Acute Toxicity
Irritant (skin and eye)
Respiratory Tract Irritant

WARNING! Causes eye irritation. Causes mild skin irritation. Mist may be harmful if inhaled. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Avoid release to the environment

SECTION - 3 COMPOSITION INFORMATION

(Exact percentage of the listed chemicals of composition has been withheld as a trade secret.)

<u>CHEMICAL NAME</u>	<u>COMMON NAME AND SYNONYMS</u>	<u>CAS #</u>	<u>IMPURITIES</u>	<u>PERCENT</u>
Ethoxylated Propoxylated	Alcohols, C8-10, Ethoxylated Propoxylated	68603-25-8	Propylene Oxide 0.002%, Ethylene Oxide 0.001%	40 - 60%

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. If irritation persists obtain immediate medical attention, preferably from an ophthalmologist.
SKIN CONTACT	Wash contaminated skin with plenty of water. Remove any contaminated clothing and wash before reuse. If irritation is present or occurs 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	May cause eye irritation
Skin	Can cause skin irritation, drying and cracking
Inhalation	Mist may cause irritation if inhaled
Ingestion	Harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes eye irritation
Skin	Can cause mild skin irritation, drying and cracking
Inhalation	Mists may be harmful if inhaled. May cause nose, throat and respiratory tract irritation
Ingestion	Harmful If swallowed. May cause burning in the throat and stomach. Slight acute toxicity if swallowed

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Suitable: Use DRY chemicals, CO2, alcohol foam. Water spray to cool or protect exposed materials
Hazardous Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, nitrogen oxides, and other toxic fumes
Reactive With	Incompatible with, strong oxidizing agents
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

<u>FLAMMABLE LIQUIDS HAZARD CLASSIFICATION</u>	
Criteria	Flash point > 93.3°C (200°F)
NFPA	Class III B
GHS	Not applicable
WHMIS	Not applicable

<u>NFPA HAZARD</u>	<u>RATINGS</u>
Health	1
Flammability	0
Reactivity	0
Personal Protection	FBG

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel to move away
Personal Precautions	Ventilate area
Protective Equipment	Safety Glasses, Chemical Gloves and Rubber Boots
Containment	Cover or dike any floor drains with an inert material to prevent product 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. May be harmful if inhaled. Harmful if swallowed. Avoid release to the environment
Storage	Keep container closed when not in use and store away from incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

<u>CHEMICAL NAME</u>	<u>ACGIH (TWA 8)</u>	<u>ACGIH (STEL)</u>	<u>OSHA PEL (TWA 8)</u>	<u>OSHA (CEIL)</u>	<u>Significant Exposure</u>
Ethoxylated Propoxylated	Not Established		Not Established		

PERSONAL PROTECTIVE EQUIPMENT



Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



Eye Wash (Recommended)



Ventilation

General Ventilation

Ventilate to keep vapors of this material below the lowest ppm listed above. If over Threshold Limit Value use NIOSH approved respirator.

HMIS HAZARD RATINGS

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 201 °F (> 93.9 °C)	Specific Gravity / Relative Density	1.08
Flammable Limits	ND	Molecular Weight	ND
Auto-Ignition Temp.	ND	Initial Boiling Point	ND
Physical State	Liquid	Boiling Range	ND
Appearance	Clear Blue	Vapor Pressure	ND
Odor	Mild	Vapor Density	ND
Odor Threshold	ND	Freeze Point	ND
Solubility	100%	Melting Point	ND
Volatiles	< 50%	Partition Coefficient	ND
VOC	< 1%	Decomposition Temperature	ND
pH	8.5	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
Thermal Decomposition	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, nitrogen oxides, 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	May cause eye irritation
Skin	Can cause skin irritation, drying and cracking
Inhalation	Mist may cause irritation if inhaled
Ingestion	Harmful if swallowed

CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

Eyes	Causes eye irritation
Skin	Can cause mild skin irritation, drying and cracking
Inhalation	Mists may be harmful if inhaled. May cause nose, throat and respiratory tract irritation
Ingestion	Harmful If swallowed. May cause burning in the throat and stomach. Slight acute toxicity if swallowed
Target Organs	Respiratory Tract, Eyes (Lens or cornea), Skin
Medical Conditions	Preexisting, eye, skin, 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
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None Listed

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

CHEMICAL NAME	Mutagenic	Teratogenic	Developmental	GHS Category
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None Listed

SECTION – 11 TOXICOLOGICAL INFORMATION - CONTINUED

<u>ACUTE TOXICITY</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Propylene Oxide	LD50	Oral	Rat	380 mg/kg		4 (>300, ≤2000 mg/kg)
Propylene Oxide	LD50	Oral	Guinea pig	660 mg/kg		4 (>300, ≤2000 mg/kg)
Propylene Oxide	LD50	Dermal	Rabbit	1245 mg/kg		4 (>1000, ≤2000 mg/kg)
Ethylene Oxide	LD50	Oral	Rat	72 mg/kg		2 (>5, ≤50 mg/kg)
Ethylene Oxide	LD50	Oral	Mouse	280 mg/kg		3 (>50, ≤300 mg/kg)
Ethylene Oxide	LD50	Oral	Guinea pig	270 mg/kg		3 (>50, ≤300 mg/kg)

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>
Ethylene Oxide	LC50	Fathead minnow	(Pimephales promelas)	73 - 96 mg/L	96 Hour	3 (>10, ≤100 mg/L)

SECTION – 13 DISPOSAL CONSIDERATIONS

DO NOT DUMP INTO ANY 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.

This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its composition containing in some or all of its components.

The transportation, storage, treatment and disposal of RCRA waster material must be conducted in compliance with 40 CFR 262, 263, 264 and 270. Disposal can only occur in properly permitted facilities.

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

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

<u>UN Number</u>	<u>Proper Shipping Name</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	PGIII	None	NA	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 Propoxylated	Yes			

REPORTABLE QUANTITIES

CHEMICAL NAME	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
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None Listed

SARA

CHEMICAL NAME	Section 311				Section 311 / 312 Hazards			
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive		
Ethoxylated Propoxylated	Yes	Yes	Yes					

RIGHT TO KNOW

CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Ethoxylated Propoxylated	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
Ethylene Oxide	75-21-8		Yes	Yes	Yes
Propylene Oxide	75-56-9			Yes	

CLEAN AIR WATER ACTS

CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts		
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Ethylene Oxide	75-21-8				Yes		
Propylene Oxide	75-56-9				Yes		

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 Propoxylated	Yes	Yes		Yes	Yes	

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
Ethoxylated Propoxylated	Yes	D-2B	Materials Causing Other Toxic Effects; Toxic Material

DSCL (EEC)

Code	Definition (R-Phrases / S-Phrases)
R22	Harmful if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R66	Repeated exposure may cause skin dryness or cracking
S2	Keep out of the reach of children
S24/25	Avoid contact with skin and eyes

SECTION – 16 OTHER INFORMATION

SDS	Legend Description		
ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstracts Service Registry	OSHA	Occupational Safety and Health Administration
CEIL	Ceiling Limit (15 minutes)	PEL	Permissible Exposure Limit (OSHA)
CERCL	Comprehensive Environmental Response, Compensation, and Liability Act	PP	California Priority Pollutant under the Clean Water Act
EPA	Environmental Protection Agency	REL	Recommended exposure limit (NIOSH)
FBG	Full Bunker Gear	SARA	Superfund Amendments and Reauthorization Act
HAP	California Hazardous air pollutant Clean Air Act	STEL	Short Term Exposure Limit (15 minutes)
HMIS-A	Safety Glasses	HMIS-B	Safety glasses, gloves
HMIS-C	Safety glasses, gloves, chemical apron	HMIS-D	Face shield, gloves, chemical apron
HMIS-E	Safety glasses, gloves, dust respirator	HMIS-F	Safety glasses, gloves, chemical apron, dust respirator
HMIS-G	Safety glasses, gloves, vapor respirator	HMIS-H	Splash goggles, gloves, chemical apron, vapor respirator
HMIS-I	Safety glasses, gloves, dust and vapor respirator	HMIS-J	Splash goggles, gloves, chemical apron, dust and vapor respirator
HMIS-K	Air line hood or mask, gloves, full chemical suit, boots	HMIS-X	Ask Supervisor
HS	California Hazardous Substance under the Clean Water Act	TSCA	Toxic Substances Control Act
IARC	International Agency for Research on Cancer	TC Lo	Air concentration that is lethal to 50% of a given species in a given time
LC50	Air concentration that is lethal to 50% of a given species in a given time	TD Lo	Lowest dose that is toxic to a given species
LD50	Dose that is lethal to 50% of a given species by a given route of exposure	TLV	Threshold Limit Value (ACGIH)
LEL	Lower Explosive Limit	TP	California Toxic Pollutant under the Clean Water Act
ND	Not Determined	TWA	Time Weighted Average (8 hours)
NFPA	National Fire Protection Association	UEL	Upper Explosive Limit
NIOSH	National Institute for Occupational Safety and Health	WHMIS	Worker Hazardous Materials Information System (Canada)

Abernathy Company

and nCites, L.L.C. 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 from any and all injuries, losses, or damages to persons or property arising from the use of this product or information.

Supersedes Safety Data Sheet Dated