SAFETY DATA SHEET

Team Clean NA **Revision Date** 8/15/2015

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME **Team Clean NA** **ITEM** 682

PRODUCT USE Non-Acid Bowl Cleaner

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

Physical Hazards FLAMMABLE LIQUIDS-Category 3

Health Hazards EYES-Category 2A; SKIN-Category 2; STOT SINGLE EXPOSURE-Category 3


Flammables


Irritant (skin and eye)
Respiratory Tract Irritant

WARNING Flammable liquid and vapor, (Liquid does not sustain combustion, Not Regulated by DOT)
Causes serious eye irritation, Causes skin irritation, May cause respiratory irritation and/or drowsiness or dizziness
May be harmful if swallowed, Do not get in eyes, on skin, or clothing, and avoid inhalation of mist, Do not smoke, eat or drink while using, 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
Nonylphenol Ethoxylate	Polyoxyethylene Nonyl Phenyl Ether	127087-87-0	Poly(ethylene oxide) < 3%, Dinonylphenyl polyoxyethylene < 2%	1 - 3%
Isopropyl Alcohol	Isopropanol, 2-propanol	67-63-0	Water <1%	2 - 5%
2-butoxyethanol	Ethylene Glycol Monobutyl Ether	111-76-2		2 - 4%

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 seek medical aid

SKIN CONTACT Wash contaminated skin with plenty of 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 considered to be an aspiration hazard

ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE

Eyes Can cause eye irritation, redness, tearing, or pain

Skin Can cause skin irritation, redness, burning, drying or cracking

Inhalation 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 Can cause serious eye irritation, redness, tearing, pain, or possible corneal injury

Skin Causes skin irritation, redness, burning, drying or cracking

Inhalation Mist can cause irritation, to nose, throat, mucus membranes or respiratory tract

Ingestion Harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus, May affect target organs, Slight acute toxicity if swallowed

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media 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, and other toxic fumes

Reactive With Reactive with, strong oxidizing agents, strong acids

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
Personal Precautions	Eliminate ignition sources and ventilate area, Avoid slipping on spilled product
Protective Equipment	Safety Glasses, Chemical Gloves and Rubber Boots
Containment	Prevent spill from spreading or 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	Keep away from incompatible materials, Use appropriate safety equipment, Avoid eye and skin contact, Avoid inhalation of mist, May cause respiratory irritation, 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 acids

SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
2-butoxyethanol	20 ppm		50 ppm (240 mg/m³)		SA
Isopropyl Alcohol	200 ppm (A4)	400 ppm	400 ppm	400 ppm	RT,CNS
Nonylphenol Ethoxylate	None Established				

PERSONAL PROTECTIVE EQUIPMENT

Chemical Safety Glasses, Goggles or Face Shield

Impervious Chemical Gloves

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	1
Flammability	2
Reactivity	0
Personal Protection	B

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	46.0ºC (114.8ºF) - TAG Closed Cup	**Specific Gravity / Density**	0.992
Flammable Limits	Does not sustain combustion (ASTM D4206)	**pH (± 0.3)**	6.0
Auto-Ignition Temp.	ND	**Viscosity**	ND
Physical State	Liquid	**Freeze Point**	0ºC (32ºF)
Appearance	Clear Blue	**Boiling Point**	100ºC (212ºF)
Odor	Fresh Scent	**Vapor Density**	ND
Odor Threshold	ND	**Vapor Pressure**	ND
Solubility	100%	**Evaporation Rate**	ND
Volatiles	< 98%	**Partition Coefficient**	ND
VOC	< 8%	**Molecular Weight (g/mol)**	~34.50
LVP-VOC	ND	**Decomposition Temperature**	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity (Specific Test Data)	None available
Chemical Stability	Stable when stored below 49ºC (120ºF)
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, strong oxidizing agents, strong acids
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, redness, tearing, or pain
Skin	Can cause skin irritation, redness, burning, drying or cracking
Inhalation	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	Can cause serious eye irritation, redness, tearing, pain, or possible corneal injury
Skin	Causes skin irritation, redness, burning, drying or cracking
Inhalation	Mist can cause irritation, to nose, throat, mucus membranes or respiratory tract
Ingestion	Harmful if swallowed, Can cause irritation, of the mouth, throat, and esophagus, May affect target organs, Slight acute toxicity if swallowed

Acute Tox Calculated **Oral:** 12,914 mg/kg **Dermal:** 35,490 mg/kg **Inhaled:** 32.0 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 Kidneys, Liver, Respiratory Tract, Eyes (Lens or cornea), Skin, Central Nervous System

Medical Conditions Preexisting, eye, skin, liver, kidney, central nervous system, 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
2-butoxyethanol	LD50	Oral	Rat	530 mg/kg		4 (>300, ≤2000 mg/kg)
	LC50	Inhaled	Rat	2.17 mg/L	4 Hours (Mist)	4 (>1.0, ≤5 mg/L)
	LD50	Dermal	Guinea Pig	1650 mg/kg		4 (>1000, ≤2000 mg/kg)
Isopropyl Alcohol	LD50	Oral	Rat	5,045 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	12,870 mg/kg		(>2000 mg/kg)
	LC50	Inhalation	Rat	78.6 mg/L	4 Hours (Vapor)	(>20 mg/L)
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)

SECTION – 12 ECOLOGICAL INFORMATION

CHEMICAL NAME	Type	Subject	Subject Latin	Result Value	Exposure Time	GHS Category
2-butoxyethanol	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)
Isopropyl Alcohol	LC50	Fish	(Leuciscus idus)	>100 mg/L	96 Hours	4 (>100 mg/L)
	EC50	Water Flea	(Daphnia magna)	5,102 mg/L	24 Hours	4 (>100 mg/L)
	LC50	Fathead Minnow	(Pimephales promelas)	9,640 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)

Presistence And Degradability This product is inherently biodegradable according to the OECD definition

Bioaccumulative Potential Has low potential for bioaccumulation

Mobility In Soil This material is a mobile liquid

Other Adverse Effects Harmful to aquatic life

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.

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

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

Hazard Class	Packing Group	Label Codes	Reportable Quantity (lbs)	Response Code	Marine Pollutant
None	None	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
2-butoxyethanol	Yes	Yes		
Isopropyl Alcohol	Yes	Yes		

REPORTABLE QUANTITIES

	Extremely Hazardous		Reportable Quantity	Emission Reporting		
CHEMICAL NAME	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
Glycol Ethers				Yes		
2-Propanol				Yes		

SARA

	Section 311	Section 311 / 312 Hazards				
CHEMICAL NAME	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
2-butoxyethanol	Yes	Yes	Yes	Yes		
Isopropyl Alcohol	Yes	Yes	Yes	Yes		
Nonylphenol Ethoxylate	Yes	Yes				

RIGHT TO KNOW

	STATE											
CHEMICAL NAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
2-butoxyethanol						Yes		Yes			Yes		
Isopropyl Alcohol			Yes			Yes		Yes		Yes	Yes	Yes	
Nonylphenol Ethoxylate						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
None Listed					

CLEAN AIR WATER ACTS

		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
2-butoxyethanol	Yes	Yes	Yes	Yes	Yes	Yes
Isopropyl Alcohol	Yes	Yes	Yes	Yes	Yes	Yes

WHMIS Classification

CHEMICAL NAME	DSL	Class	Description
2-butoxyethanol, Isopropyl Alcohol	Yes	D-2B	Materials Causing Other Toxic Effects; Toxic Material
Isopropyl Alcohol		B-2	Flammable Liquids; Flashpoint < 37.8° C (100°F)

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

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