

# SAFETY DATA SHEET

Surrender

Revision Date

1/14/2015

## SECTION - 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME</b>	<b>Surrender</b>	<b>PRODUCT USE</b>	Acid Carpet Destainer	<b>ITEM</b>	783
<b>COMPANY NAME</b>	Abernathy Company	<b>Office</b>	(800) 962-7498		
	3800 Abernathy Drive	<b>Fax</b>	(870) 772-2908		
	Texarkana AR 71854	<b>Web</b>	<a href="http://www.abernathycompany.com">www.abernathycompany.com</a>		
	<b>EMERGENCY TELEPHONE NUMBER</b>	<b>INFOTRAC</b>	<b>(800) 535-5053</b>		

## 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, May be harmful if swallowed, May cause respiratory irritation, Do not get in eyes, on skin, or clothing, and avoid inhalation of mist, 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)

<u>CHEMICAL NAME</u>	<u>COMMON NAME AND SYNONYMS</u>	<u>CAS #</u>	<u>IMPURITIES</u>	<u>PERCENT</u>
Glycol Ether DPM	Dipropylene Glycol Methyl Ether	34590-94-8		1 - 5%
Isopropyl Alcohol	Isopropanol, 2-propanol	67-63-0	Water <1%	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, 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

**Skin** May cause skin irritation

**Inhalation** Spray mist may cause mild irritation

**Ingestion** May be harmful if swallowed, Minimal acute toxicity if swallowed

### CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE

**Eyes** Causes eye irritation, redness, tearing, or pain, by direct product eye contact

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

**Inhalation** Spray mist may cause irritation, to respiratory tract

**Ingestion** May be harmful if swallowed, May cause irritation, of the mouth, throat, and esophagus, Minimal acute toxicity if swallowed

**SECTION – 5 FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	Not flammable: Use extinguishing media for surrounding fire
<b>Hazardous Decomposition</b>	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, and other toxic fumes
<b>Reactive With</b>	Reactive with, strong oxidizing agents, strong bases
<b>Explosion Hazards</b>	Not applicable
<b>Static Discharge</b>	Not applicable
<b>Mechanical Impact</b>	Not applicable
<b>Protective Equipment</b>	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 RATINGS</u>	
Health	1
Flammability	0
Reactivity	0
Personal Protection	FBG

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	Warn personnel of spill
<b>Personal Precautions</b>	Avoid slipping on spilled product
<b>Protective Equipment</b>	Safety Glasses, Gloves
<b>Containment</b>	Prevent spill from spreading or entering the environment
<b>Clean Up Procedures</b>	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
<b>Disposal</b>	Dispose of material in accordance with all State and Federal Guidelines and Regulations

**SECTION – 7 HANDLING AND STORAGE**

<b>Handling</b>	Keep away from incompatible materials, Use appropriate safety equipment, Avoid eye and skin contact, May cause respiratory irritation, May be harmful if swallowed, Wash thoroughly after handling, Avoid release to the environment
<b>Storage</b>	KEEP OUT OF REACH OF CHILDREN, Keep container closed when not in use, Store away from incompatible materials
<b>Incompatible Materials</b>	Incompatible with, strong oxidizing agents, strong bases

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

<u>EXPOSURE LIMITS</u>					Significant Exposure
CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	
Glycol Ether DPM	100 ppm	150 ppm	100 ppm		Skin
Isopropyl Alcohol	200 ppm (A4)	400 ppm	400 ppm	400 ppm	

PERSONAL PROTECTIVE EQUIPMENT



Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



Eye Wash (Recommended)



Ventilation

General Ventilation

<u>HMIS HAZARD RATINGS</u>	
Health	1
Flammability	0
Reactivity	0
Personal Protection	B

**SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES**

Flash Point	Not Flammable	Specific Gravity / Relative Density	1.005
Flammable Limits	ND	Molecular Weight	ND
Auto-Ignition Temp.	ND	Initial Boiling Point	ND
Physical State	Liquid	Boiling Range	ND
Appearance	Clear	Vapor Pressure	ND
Odor	Lemon	Vapor Density	ND
Odor Threshold	ND	Freeze Point	ND
Solubility	100%	Melting Point	ND
Volatiles	< 99%	Partition Coefficient	ND
VOC	< 4%	Decomposition Temperature	ND
pH (± 0.3)	2.6	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 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	May cause skin irritation
Inhalation	Spray mist may cause mild irritation
Ingestion	May be harmful if swallowed, Minimal acute toxicity if swallowed

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

Eyes	Causes eye irritation, redness, tearing, or pain, by direct product eye contact
Skin	Can cause skin irritation, redness, drying or cracking
Inhalation	Spray mist may cause irritation, to respiratory tract
Ingestion	May be harmful if swallowed, May cause irritation, of the mouth, throat, and esophagus, Minimal acute toxicity if swallowed

Acute Tox Calculated	Oral: 54,195 mg/kg	Dermal: 44,229 mg/kg	Inhaled: 386 mg/L
Acute Tox Category	Category 4 (Oral >300, ≤2000 mg/kg), Category 4 (Dermal >1000, ≤2000 mg/kg), "Not applicable (Inhaled > 20 mg/L) Vapors"		
Additional Info			

Target Organs	Kidneys, Liver, Respiratory Tract, Eyes (Lens or cornea), Skin
Medical Conditions	Preexisting, eye, liver, kidney, 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:**

<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>
Glycol Ether DPM	LD50	Oral	Rat	5,200 mg/kg		(>2000 mg/kg)
	LD50	Dermal	Rabbit	5,900 mg/kg		(>2000 mg/kg)
Isopropyl Alcohol	LD50	Oral	Rat	5,045 mg/kg	4 Hours	(>2000 mg/kg)
	LC50	Inhalation	Rat	73 mg/L	4 Hours	(>20 mg/L)
	LD50	Dermal	Rabbit	12,870 mg/kg		(>2000 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>
Glycol Ether DPM	LC50	Fathead Minnow	(Pimephales promelas)	10,000 mg/L	96 Hours	4 (>100 mg/L)
	EC50	Water Flea	(Daphnia magna)	1,919 mg/L	48 Hours	4 (>100 mg/L)
	LC50	Rainbow Trout	(Oncorhynchus mykiss)	5,000 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		4 (>100 mg/L)
	LC50	Fathead Minnow	(Pimephales promelas)	9,640 mg/L		4 (>100 mg/L)

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

**Bioaccumulative Potential** No data available

**Mobility In Soil** No data available

**Other Adverse Effects** No data available

**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**

<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		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
Glycol Ether DPM	Yes			
Isopropyl Alcohol	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		
Glycol Ethers				Yes		
2-Propanol				Yes		

**SARA**

CHEMICAL NAME	Section 311			Section 311 / 312 Hazards			
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive	
Glycol Ether DPM	Yes	Yes		Yes			
Isopropyl Alcohol	Yes	Yes	Yes	Yes			

**RIGHT TO KNOW**

CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Glycol Ether DPM						Yes		Yes			Yes		
Isopropyl Alcohol			Yes			Yes		Yes		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
Isopropyl Alcohol	Yes	Yes	Yes	Yes	Yes	Yes

**WHMIS Classification**

CHEMICAL NAME	DSL	Class	Description
Isopropyl Alcohol	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
S2	Keep out of the reach of children
S39	Wear eye/face protection
S61	Avoid release to the environment
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

**SECTION – 16 OTHER INFORMATION**

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

Abernathy Company

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**Supersedes Safety Data Sheet Dated**