



Safety Data Sheet

DSC Products Inc.

SDS#: 2104B

Date Revised: 06/01/2015

SECTION 1: PRODUCT IDENTIFICATION

Manufacturer Name	DSC PRODUCTS INC	24 Hour Emergency Telephone	(231) 739-2068
Address	1979 Latimer Dr.		
	Muskegon, MI 49442-6229	Fax (231) 773-0477	
	(231) 777-3012	www.dscprod.com	
Trade Name	INVADE	Product Type	Solvent cleaner
Chemical Family	Petroleum distillate	Formula	N/A

SECTION 2: HAZARDOUS IDENTIFICATION

GHS Classification:

Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 3
Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Phrases:

Warning, H303 – May be harmful if swallowed
Warning, H316 – Causes mild skin irritation
Warning, H320- Causes eye irritation

GHS Label Elements

Signal Word:

Warning

GHS Pictograms:

None

Precautionary Statements

Prevention:

Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:

-Eyes

-IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Call a POISON CENTER or physician if you feel unwell.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name/Common Name	% (optional)	Cas.No.	OSHA PEL	ACGIH TLV (source)
Odorless Mineral Spirits		64742-48-9	100 ppm	100 ppm
Alkyloxy polyethylene oxyethanol		68131-40-8		
2 Butoxy ethanol		111-76-2	25 ppm	20 ppm
D'Limonene		5989-27-5	Not Established	30 ppm

SECTION 4: FIRST AID MEASURES

Eyes	Flush with water, if irritation persists, consult physician
Skin	Wash with soap and water, if irritation persists, consult physician
Ingestion	DO NOT INDUCE VOMITING, get immediate medical attention
Inhalation	Remove to fresh air, if unconscious give artificial respiration, if breathing is difficult, consult physician.

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SECTION 5: FIRE FIGHTING MEASURES

Flash Point (T.C.C.)	145F	Boiling	None to limits
Flammable Limits	N/A	Upper 6.5	Lower .7
Extinguishing Media	Dry chemical, water spray, CO2	Special Fire Fighting Procedures	Self-contained breathing apparatus
Unusual Fire and Explosion Hazards	None		

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken if released or spilled	Absorb into material such as sawdust etc.
Waste disposal methods	Dispose to landfill in conformance with local, state and federal regulations

SECTION 7: HANDLING AND STORAGE

Precautions to be taken in handling and storage
Other: KEEP OUT OF REACH OF CHILDREN
Keep container tightly closed and store in a cool place. Do not mix with other chemicals. Keep away from heat or flames.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection	Use a NIOSH approved respirator for organic vapors		
Ventilation	Fan or equivalent	Mechanical X	Other
Protective Gloves	Impervious to solvents	Eye Protection	Goggles with side shields
Other Protective Clothing or Equipment	Protect parts of body that may come in contact with product		
Work/Hygienic Practices	Wash with soap and water after contact		
Exposure Limits	Exposure limits have not been established for this mixture. Avoid, as far as reasonably practicable, inhalation of vapor, mists or fumes generated. Limits for components are listed below:		
Component #	OSHA PEL TWA STEL	ACGIH TLV TWA STEL	NIOSH TWA STEL
1. D-Limonene	Not Established	30 ppm	Not Established
2. Glycol Ether EB	25 ppm	20 ppm	5 ppm
3. Odorless Mineral Spirits	100 ppm	100 ppm	350 mg/m3



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (degrees F)	340 F	Specific Gravity (H ₂ O=1.0)	.85	pH	N/A
Vapor Pressure (mm Hg)	10	Vapor Density (Air = 1)	5	Melting Point (degrees F)	N/A
Solubility in Water	Complete	Invisible	Emulsible (or dispersible)	Slight (or partial) X	
Evaporation Rate (vs. H ₂ O)	Faster x	Slower	About the same		
Appearance and Odor	Clear, colorless, liquid				

SECTION 10: STABILITY AND REACTIVITY

Stability	Stable	Incompatibility	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide, organic fumes	Hazardous Polymerization	Will not occur

SECTION 11: TOXICOLOGY INFORMATION

Threshold Limit Value – Product (Section 2-TLV)	None Established X	Not Applicable				
Primary Routes of Exposure	Eye X	Skin X	Oral	Inhalation X	Other	
Signs and Symptoms of Over-exposure (acute)						
Eyes	May Cause irritation		Skin	Prolonged contact may defat the skin and cause irritation		
Inhalation	Dizziness, headaches, to unconsciousness		Ingestion	May cause irritation of the gastro intestinal tract		
Signs and Symptoms of Over-exposure (chronic)			Not established			
Medical Conditions aggravated by Over-exposure			Respiratory disease			
Carcinogen or Suspect Carcinogen Ingredients			NP	ARC	OSHA	None X
Toxicological information has not yet been established on this mixture. Toxicological information on components within this mixture is given by:						
COMPONENT #			TOXICITY			
1. D-Limonene			Not established, not acutely toxic			
2. Glycol Ether EB			LD50 Oral – rat - 470 mg/kg LC50 Inhalation – rat - 4 h – 450 ppm LD50 Dermal – rabbit – 220 mg/kg Eyes – rabbit – Moderate eye irritation – 24 h			
3. Odorless Mineral Spirits			LD50 Oral – rat - >7,000 mg/kg LD50 Dermal – rat - >3,000 mg/kg LD50 Dermal – rabbit - >2,000 mg/kg			



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SECTION 12: ECOLOGICAL INFORMATION

Ecological information has not been established for this product. Ecological information on components within this mixture is given by:

COMPONENT #	TOXICITY
1. D-Limonene	Not established
2. Glycol Ether EB	Toxicity to fish LC50-other fish-220 mg/l-96 h Toxicity to daphnia and other aquatic invertebrates EC50- Daphnia magna (Water flea) – 1,815 mg/l 24 h
3. Odorless Mineral Spirits	Not established

SECTION 13: DISPOSAL CONSIDERATIONS

Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

Dispose of all waste, empty bottles and contaminated equipment in accordance with all applicable federal, state, and local health and environmental regulations.

Do not dump into storm drains or any body of water. All disposal methods must be in compliance with all federal, State/Province and local laws and regulations. Regulations may vary in different locations.

Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. The vendor has no control over the management practices or the processes by which the party who handles or uses this material. The information presented here pertains only to the product as shipped in its intended condition and recommended usage.

SECTION 14: TRANSPORTATION INFORMATION

Ship per regulations 49 CFR. Non-hazardous for air, sea and road freight.

SECTION 15: REGULATORY INFORMATION

TSCA Inventory

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

Component / (CAS/Percent) / Codes

*Ethylene glycol monobutyl ether (111762 < 24%) HAP, MASS, OSHAWAC, PA, TXAIR, WHMIS

*D-Limonene (5989-27-5 <10%) TSCA, WHMIS



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Regulatory Key Descriptions:
(All components are listed on TSCA)

HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
OSHA = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level
WHMIS = Workforce Hazardous Material Information System

SECTION 16: OTHER INFORMATION

	Health	Fire	Reactivity	Special	Personal Protection Index
NFPA	2	2	0	0	B
HMIS	2	2	0	0	B

Note to Reader

The information contained herein is deemed accurate and complete at the time of this publication. Use of the product beyond care, custody and control of the manufacture shall bear no warranty whether implied or expressed. DSC Products, Inc. assumes no liability for injury to any person or property resulting of this product without strict adherence to safety procedures. User bears all risks concerning use of the product as designated through labeling. It is recommended any and all data, directives and recommendations should be followed accordingly. This does not apply to any combination with other materials, chemical compounds or processes not inclusive of aforementioned specifications.