

SAFETY DATA SHEET

SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

TRADE NAME: SparkBarrier
MANUFACTURER: Midwest Industrial Supply, Inc.
1101 3rd Street SE
Canton, OH 44707
EMERGENCY PHONE NUMBER: 330-456-3121
RECOMMENDED USE: Fire prevention water additive for brush and grass
CHEMICAL NAME: Fire prevention agent
SYNONYMS: Wetting agent

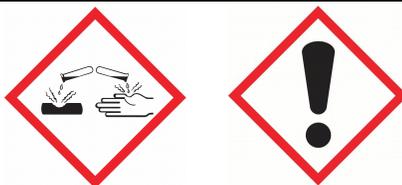
SECTION II -- HAZARDS IDENTIFICATION

CLASSIFICATION: Eye Damage Category 1
Skin Irritation Category 2
Skin Sensitization Category 1

SIGNAL WORD: Danger

HAZARD STATEMENT(S): Causes serious eye damage
Causes skin irritation
May cause an allergic skin reaction

Pictograms



PRECAUTIONARY STATEMENT(S):

Prevention: Wash hands and exposed skin thoroughly after handling.
Wear eye and face protection and protective gloves.

Response: If in eyes, rinse cautiously with water for several minutes.
Remove contact lenses if present and easy to do. Continue rinsing.
Immediately get medical attention.
If on skin, wash with plenty of water.
If skin irritation or rash occurs, get medical attention.



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Take off contaminated clothing and wash before reuse.

- Storage:** Store away from incompatible materials.
 - Disposal:** Dispose in accordance to local, regional and federal regulations.
- OTHER HAZARDS:** None

SECTION III -- COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	WT %
Alpha Olefin Sulfonate Solution	68439-57-6	< 80
Hexylene glycol	107-41-5	15-25
d-limonene	5989-27-5	< 3

SECTION IV -- FIRST AID MEASURES

- INHALATION:** If respiratory irritation occurs, move victim to fresh air. Seek medical attention if distress or irritation persists.
- SKIN:** Remove from source of irritation. Remove any contaminated clothing and wash affected area(s) thoroughly with a mild soap and water. Launder clothing before reusing.
- EYES:** Do not rub eyes. Flush eyes with clear water for at least fifteen (15) minutes. Remove contact lenses, if easy to do. Get medical attention immediately
- INGESTION:** If swallowed and person is conscious, give 1 – 2 glasses of water. Seek medical attention if symptoms occur **Never give anything by mouth to an unconscious person.**

RECOMMENDATION TO FIREFIGHTERS ON SPECIAL PROTECTIVE EQUIPMENT OR PRECAUTIONS:

Firefighters should be equipped to prevent breathing of vapor, mist or products of combustion. Use NIOSH approved self-contained breathing apparatus for organic vapors and wear appropriate clothing.

SECTION V -- FIREFIGHTING MEASURES

- EXTINGUISHING MEDIUM:** Use extinguishing medium appropriate for the surrounding fire
- SPECIAL FIREFIGHTING PROCEDURES:** None
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** During fire hazardous gases may form
- SPECIAL HAZARDS:** None

SECTION VI -- ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS:** Safety glasses and neoprene gloves should be worn especially if frequent or prolonged



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SPILL AND LEAK PROCEDURES:

contact is expected.

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For small spills wipe up with absorbent materials. For larger spills dyke to control with absorbent material. Prevent product from entering waterways of storm drains.

SECTION VII -- HANDLING AND STORAGE

STORAGE:

Keep container closed when not in use. Store in a location well away from strong oxidizers.

HANDLING:

Consumption of food and beverages should be avoided in work areas where product is being used. After using product, always wash hands and face with soap and water before eating, drinking, or smoking.

SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

VENTILATION:

Good ventilation or local exhaust. Provide natural or mechanical ventilation to maintain airborne exposure levels below exposure limits.

RESPIRATORY PROTECTION:

If high vapor or mist concentrations are expected, use NIOSH approved respirator for organic vapors (recommended full face) when exposure levels are exceeded. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator limitations specified by NIOSH/MSHA.

EYE PROTECTION:

Safety goggles or chemical splash goggles, especially if splashing is anticipated.

PROTECTIVE CLOTHING:

Wear clothing to minimize skin contact, long sleeves, boots or shoes. Change clothing frequently if contaminated with product. Launder soiled work clothes before re-using. For casual contact PVC gloves are suitable, for prolonged contact use neoprene or nitrile gloves.

Airborne Exposure Limits:

hexylene glycol:	OSHA/PEL	25 ppm ceiling
	ACGIH TLV	25 ppm ceiling

SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

Physical State:

Liquid

Odor:

Slight soap and orange



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Vapor Density:	N/D
Solubility in Water:	miscible
Relative Density:	1.02-1.03
Melting/Freezing Point:	21.2°F (-6°C)
Viscosity:	N/D
Flashpoint:	>212°F (100°C)
Flammable Limits LEL:	N/D
Flammable Limits UEL:	N/D
Odor Threshold:	N/D
Initial Boiling Point/Range:	N/D
Vapor Pressure:	N/D
Evaporation Rate:	N/D
pH:	8.6 - 9.6 (undiluted)
Octanol/Water Coefficient:	N/D
Decomposition Temperature:	N/D
Flammability (solid/gas):	N/A
Auto Ignition Temperature:	N/D

SECTION X -- STABILITY AND REACTIVITY

REACTIVITY:	none
CHEMICAL STABILITY:	Stable under normal handling conditions.
CHEMICAL INCOMPATIBILITY:	Strong oxidizers such as, but not limited to, hydro chlorite.
HAZARDOUS DECOMPOSITION PRODUCTS:	Combustion may yield carbon dioxide, carbon monoxide and oxides of sulphur.
HAZARDOUS POLYMERIZATION:	Does not occur.
CONDITIONS TO AVOID:	Strong acids and strong oxidizing agents

SECTION XI -- TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE

INHALATION:	No adverse effects due to inhalation are expected.		
SKIN:	Causes skin irritation; May cause an allergic skin reaction		
EYES:	Causes serious eye damage		
INGESTION:	Expected to be a low ingestion hazard		
CARCINOGENICITY:	Based on studies to date, SparkBarrier is not known to be carcinogenic to humans.		
GERM CELL MUTAGENICITY:	N/D		
REPRODUCTIVE TOXIN:	N/D		
ACUTE TOXICITY:	Dermal	rat	LD50 >2020 mg/kg



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inhalation	rat	N/D
oral	rat	LD50 >5000 mg/kg

SECTION XII -- ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life (CAS# 68439-57-6)

Components		Species	Test Results
Sulfonic Acids, C14-16-alkane Hydroxy And C14-16-alkene, Sodium Salts (CAS 68439-57-6)			
Aquatic			
Acute			
Algae	EC50	Algae	3.2-5.2 mg/L, 72 h
Crustacea	EC50	Daphnia	4.53 mg/L, 48h
Fish	LC50	Danio rerio	3.5-5mg/L, 96h
<i>Chronic</i>			
Crustacea	NOEC	Daphnia	6.3 mg/L, 21 d

* Estimates for product may be based on additional component data not shown.

Persistence and degradability: This product is readily biodegradable.

Bioaccumulative potential: N/D

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION XIII -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Consult your local authorities for regulations. Preferred waste management: recycle or reuse, incinerate with energy recovery, disposal in a licensed facility. Disposal facility should be compliant with state, local and federal government regulations.

SECTION XIV -- TRANSPORTATION INFORMATION

DOT HAZARDOUS MATERIAL DESCRIPTION:	None
PROPER SHIPPING NAME:	SparkBarrier
UN NUMBER:	None
HAZARD CLASS/PACKAGING GROUP:	None
LABELS REQUIRED:	None



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SECTION XV -- REGULATORY INFORMATION

NFPA RATING:	Health:	2	HMIS RATING:	Health:	2
	Flammability:	0		Flammability:	0
	Instability:	0		Physical Hazard:	0
				PPE:	B

EPA SARA Title III hazard category: immediate
EPA SARA Title III Section 313 (toxic chemicals): N/A
EPA SARA Section 302 (extremely hazardous substance) N/A
OSHA HCS hazard class: Skin Irritant, Serious Eye Damage
TSCA: listed

SECTION XVI -- OTHER INFORMATION

ABBREVIATIONS AND SYMBOLS:

N.D. Not Determined N.A. Not Applicable N.T. Not Tested
 < Less Than > More Than