



Material Safety Data Sheet

ADDITIVE 2889-71-01

1. Chemical Product and Company Identification

Product Name	ADDITIVE 2889-71-01	Emergency Phone Number	24 HOUR - (800) 424-9300 (CHEMTREC)
Company Name	Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482	FAX	(610) 666-1376
Website	www.houghtonintl.com	Customer Service	(888) 459-9844
Telephone	(610) 666-4000		

2. Hazardous Ingredients

EXPOSURE LIMITS HAVE NOT BEEN ESTABLISHED FOR ANY OF THE COMPONENTS IN THIS PRODUCT.

SEE SECTION 3 FOR HEALTH HAZARD INFORMATION.

3. Hazards Identification

Primary Entry Routes	EYES, SKIN, INHALATION
Acute Effects	
Inhalation	VAPORS OR MISTS MAY IRRITATE UPPER RESPIRATORY TRACT.
Eye	MAY CAUSE IRRITATION.
Skin	PROLONGED OR REPEATED CONTACT MAY CAUSE SOME SLIGHT IRRITATION.
Ingestion	MAY CAUSE NAUSEA AND DISCOMFORT.
Carcinogenicity	NO COMPONENT KNOWN TO BE PRESENT IN THIS PRODUCT AT GREATER THAN 0.1% IS LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.
Medical Conditions Aggravated by LongTerm Exposure	PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.
Chronic Effects	UNKNOWN
HMIS:	
Health	1
Flammability	1

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Reactivity	0
Personal Protection	X

* indicates that there may be chronic health effects present

4. First Aid Measures

Inhalation	REMOVE TO A SOURCE OF FRESH AIR.
Eye Contact	FLUSH WITH WATER 15 MINUTES; CONSULT PHYSICIAN IF IRRITATION PERSISTS.
Skin Contact	WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSING.
Ingestion	DO NOT INDUCE VOMITING UNLESS DIRECTED BY A PHYSICIAN. CONSULT PHYSICIAN.
Note to Physicians	NO SPECIFIC ANTIDOTE KNOWN. BASED ON INDIVIDUAL REACTIONS OF THE PATIENT, THE PHYSICIAN'S JUDGMENT SHOULD BE USED TO CONTROL SYMPTOMS AND CLINICAL CONDITIONS.

N/A - Not Applicable

5. Fire Fighting Measures

Flash Point	300° F MINIMUM
Method Used	CLEVELAND OPEN CUP
Autoignition Temperature	N/D
LEL	N/D
UEL	N/D
Extinguishing Media	USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM. USE WATER TO COOL FIRE-EXPOSED CONTAINERS.
Unusual Fire or Explosion Hazards	TOXIC SULFUR FUMES, GASES OR VAPORS MAY EVOLVE ON BURNING.
Fire Fighting Instructions	WEAR PROTECTIVE GEAR DURING FIREFIGHTING.
NFPA:	



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5. Fire Fighting Measures - continued

Health	1
Flammability	1
Reactivity	0
Special	N/A

N/A - Not Applicable; ND - Not Determined; > - Greater Than; < - Less Than

6. Accidental Release Measures

Spill or Release Procedures APPLY DRY ABSORBENT MATERIAL AND SWEEP UP. FLUSH AREA WITH WATER AND MOP UP THOROUGHLY.

7. Handling and Storage

Storage and Handling Requirements KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT, SPARKS OR OPEN FLAMES. STORE IN A DRY PLACE AWAY FROM EXCESSIVE HEAT. WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID BREATHING MISTS.

8. Exposure Controls/Personal Protection

Engineering Controls LOCAL EXHAUST FOR MISTS OR VAPORS; OTHERWISE GENERAL MECHANICAL VENTILATION IS ADEQUATE.

Personal Protective Equipment

Eye/Face Protection	SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
Skin Protection	NITRILE, NEOPRENE OR PVC GLOVES.
Respiratory Protection	NOT REQUIRED IN NORMAL USE.
Other	EYE WASH AND SAFETY SHOWER SHOULD BE AVAILABLE.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, or applying cosmetics.

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Appearance	CLEAR AMBER LIQUID	Water Solubility	EMULSIFIES
Odor	SULFURIZED ODOR	Boiling Point	GREATER THAN 300°F
Vapor Pressure (mmHg)	NOT ESTABLISHED	Freezing/ Melting Point	N/D
Vapor Density (Air = 1)	NOT ESTABLISHED	Evaporation Rate (BuAc = 1)	LESS THAN 1
Specific Gravity (Water = 1)	1.026		
pH (Dilution)			
At Percent	5		
pH	3.2		

N/D - Not Determined; N/A - Not Applicable; > - Greater Than; < - Less Than

10. Stability and Reactivity

Stability	THIS PRODUCT IS STABLE AT ROOM TEMPERATURE IN CLOSED CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS.
Chemical Incompatibilities	STRONG OXIDIZERS
Hazardous Decomposition Products	THERMAL;OXIDES OF CARBON AND SULFUR; HYDROGEN SULFIDE
Hazardous Polymerization	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

11. Toxicological Information

NO DATA AVAILABLE

12. Ecological Information

NO DATA AVAILABLE

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Disposal	FOLLOW PERTINENT REGULATIONS FOR DISPOSAL. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE. (40 CFR 21.20-24)
RCRA Hazardous Waste Number	N/A

14. Transportation Information

Proper Shipping Name	NOT REGULATED BY DOT
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15. Regulatory Information

TSCA Section 8(b)	ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE TSCA INVENTORY.
CERCLA Reportable Quantity	NONE
SARA Title III, Section 313	THIS PRODUCT CONTAINS NO TOXIC CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.
Ozone Depleting Substances	THIS PRODUCT WAS NOT MANUFACTURED, DOES NOT CONTAIN, AND WAS NOT PACKAGED USING ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCE AS DEFINED BY THE CLEAN AIR ACT.

16. Other Information

Prepared By	GARY CARL
Title	MANAGER, PRODUCT SAFETY

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