

MSDS - Material Safety Data Sheet**Product Name: DEFEND****MSDS No.: 860****I. Basic Information:****Manufacturer:** U.N.X. INCORPORATED**Address:** 707 ARLINGTON BLVD.**City, ST Zip:** GREENVILLE, NC 27858**Emergency Contact:** CHEMTEL**Emergency Telephone Number:** 800-255-3924**Contact:** AMENDT; MANGIN; SPICER**Information Telephone Number:** 252-756-8616**Last Update:** 07/03/2002**Chemical State:** ☒ Liquid ☐ Gas ☐ Solid**Chemical Type:** ☐ Pure ☒ Mixture

2	Health
0	Flammability
2	Reactivity
C	Pers. Protection

II. Ingredients:☐ Trade Secret

CAS No.	Chemical Name	% Range	EHS	IARC	SARA	OSHA	ACGIH	Other Limits
			NTP	SUB Z	313	PEL	TLV	
34590948	Dipropylene glycol methyl ether	0-5				100ppm	100ppm	
N/A	Trade Secret PSRN 57948000-5069P	20-30						
7732185	Water	70-80						

III. Hazardous Identification:**Hazard Category:**
☐ Acute
☐ Chronic
☐ Fire
☐ Pressure
☐ Reactive
Hazardous Identification Information:**IV. First Aid Measures:****Route(s) of Entry:**

SKIN, EYES, INHALATION

Health Hazards (Acute and Chronic):

INHALATION, CAN IRRITATE, NOSE, THROAT, AND LUNGS.
 SKIN CONTACT, CAN CAUSE TISSUE DESTRUCTION, WITH LONG TERM EXPOSURE.
 INGESTION, SEVERE INTERNAL IRRITATION AND DAMAGE CAN RESULT IF TAKEN BY MOUTH.

Signs and Symptoms:

PRODUCT, CAN BE DESTRUCTIVE TO TISSUE. SKIN BURNS CAN BE PRODUCED. CONTACT WITH EYES CAN CAUSE PERMANENT DAMAGE.

Medical Conditions Generally Aggravated by Exposure:

MSDS - Material Safety Data Sheet***Product Name: DEFEND******MSDS No.: 860*****Emergency and First Aid Procedures:**

FOR SKIN, FLUSH THOROUGHLY WITH SOAP AND WATER.

FOR EYES, FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN.

IF INGESTED, DRINK LARGE VOLUMES OF WATER. DO NOT INDUCE VOMITING. CALL PHYSICIAN.

Other Health Warnings:***V. Fire Fighting Measures:*****Flash Point:** N/A**Lower Explosive Limit:** -**Upper Explosive Limit:** -**F.P. Method:** -**Fire Extinguishing Media:** FLOOD WITH WATER**Special Fire Fighting Procedures:**

ANY TANK OR CONTAINER SURROUNDED BY FIRE SHOULD BE FLOODED WITH WATER FOR COOLING. IF THIS PRODUCT IS LEAKING, PROTECTIVE CLOTHING SHOULD BE WORN.

Unusual Fire and Explosion:

MAY REACT WITH ORGANIC MATERIAL TO PRODUCE HEAT. AVOID CONTACT WITH STRONG ACIDS OR ALKALI. DECOMPOSITION RELEASES OXYGEN WHICH MAY INTENSIFY FIRE.

VI. Accidental Release Measures:**Steps to be Taken in Case Material is Released or Spilled:**

FOR SMALL SPILLS, MATERIAL SHOULD BE DILUTED WITH WATER AND DISPOSED TO SEWER. FOR LARGE SPILLS, DILUTE WITH WATER AND IF POSSIBLE DIRECT THE DILUTED SOLUTION TO A DIKED AREA UNTIL DECOMPOSED. ASK LOCAL AUTHORITIES ABOUT WASTE DISPOSAL.

VII. Handling and Storage:**Precautions to be Taken:**

AVOID EXCESSIVE HEAT AND AVOID CONTACT WITH ACIDS AND ORGANIC COMBUSTIBLE AGENTS. STORE IN A COOL, WELL VENTILATED AREA. DO NOT STORE NEAR HAZARDOUS MATERIALS.

Other Precautions:

NEVER RETURN UNUSED PRODUCT TO ITS ORIGINAL CONTAINER. EMPTY DRUMS SHOULD BE RINSED WITH WATER BEFORE DISCARDING.

VIII. Exposure Controls/Personal Protection:**Ventilation Requirements:**

AVOID BREATHING MIST. IF EXPOSURE IS LIKELY, USE FILTER OR PROTECTIVE RESPIRATOR. MECHANICAL VENTILATION IS ACCEPTABLE.

Personal Protective Equipment:

RUBBER GLOVES SHOULD BE WORN.

SAFETY GOGGLES SHOULD BE WORN.

OTHER PROTECTIVE MEASURES: HAVE AN EYE BATH AND SAFETY SHOWER CLOSE BY. IF POTENTIAL FOR SKIN CONTACT, WEAR PROTECTIVE GLOVES AND HAVE A HAND WASH AREA NEAR BY (ie. SOAP SOLUTION.).

WORK/HYGIENIC PRACTICES: WASH HANDS, CHANGE OUT OF CLOTHES AS SOON AS POSSIBLE. WASH CLOTHES. SHOWER OR BATHE AS SOON AS POSSIBLE.

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STABLE UNDER IDEAL CONDITIONS ONLY

Incompatibility (Materials to Avoid):

HEAVY METALS, REDUCING AGENTS, RUST, DIRT, ORGANIC MATERIALS, STRONG OXIDIZING AGENTS.

Decomposition/By Products:

HEAT AND OXYGEN

Hazardous Polymerization:

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

XI. Toxicological Information:

CONTACT U.N.X. INCORPORATED

XII. Ecological Information:

CONTACT U.N.X. INCORPORATED

XIII. Disposal Considerations:

FOR SMALL SPILLS, MATERIAL SHOULD BE DILUTED WITH WATER AND DISPOSED TO SEWER. FOR LARGE SPILLS, DILUTE WITH WATER AND IF POSSIBLE DIRECT THE DILUTED SOLUTION TO A DIKED AREA UNTIL DECOMPOSED. ASK LOCAL AUTHORITIES ABOUT WASTE DISPOSAL.

XIV. Transport Information:

NOT DOT REGULATED

XV. Regulatory Information:

UNLESS OTHERWISE NOTED, NO COMPONENTS ARE SARA TITLE 3 SECTION 313 40 CFR LISTED MATERIALS. THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. THIS PRODUCT IS NOT MADE WITH VOC'S THAT COULD CAUSE DAMAGE TO THE OZONE LAYER.

XVI. Other Information: