

**MATERIAL SAFETY DATA SHEET  
(MSDS)**

326-5319  
326-5319-99  
FUEL ADDITIVE  
HEALTH HAZARD: See Sec. V.  
COMBUSTIBLE

**SECTION I**

<b>TRADE NAME</b> (If None, Put Chemical) "Ona Fresh" (Onan Corporation)	<b>EMERGENCY TELEPHONE NO.</b> (314) 298-2456
<b>CHEMICAL NAME AND SYNONYMS</b> Petroleum distillates with additives	
<b>MANUFACTURER'S NAME AND TELEPHONE NO.</b> Sherman Engineering Laboratory, Inc. (314) 298-2456	
<b>ADDRESS (Number, Street, City, State, Zip Code)</b> P.O. Box 1929 St. Louis MO 63043	

**SECTION II - HAZARDOUS INGREDIENTS**

	%	TLV	PEL	UNITS
Product consists of:	100			
Xylene (CAS #1330-20-7)		100	100	PPM
Methyl alcohol (CAS #67-56-1) -skin		200	200	PPM
N,N'-Disalicylidine-1,2-propanediamine (CAS #94-91-7)		NE	NE	
6-tert-Butyl-2,4-xyleneol (CAS #1879-09-0)		NE	NE	
4-(2-Nitrobutyl)morpholine (CAS # unavailable)		NE	NE	
4,4'-(2-Ethyl-2-nitromethylene)dimorpholine (CAS # unavailable)		NE	NE	
Proprietary ingredients*		UN	UN	

\*Supplier withholding specific chemical names as trade secret and/or ingredients are non-hazardous under the Federal Hazard

**SECTION III - PHYSICAL DATA**

<b>BOILING POINT (°F)</b>	>212	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b>	<1
<b>VAPOR PRESSURE (MM Hg)</b>	NE	<b>PERCENT VOLATILE BY VOLUME (%)</b>	100
<b>VAPOR DENSITY (AIR=1)</b>	>1	<b>pH</b>	NA
<b>SOLUBILITY IN WATER</b>	Slight	<b>EVAPORATION RATE (Ether=1)</b>	<1
<b>APPEARANCE AND ODOR</b> Green liquid; mild aromatic odor			

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT (Method used)</b> 105 F (COC)	<b>FLAMMABLE LIMITS</b>	<b>LEL</b> NE	<b>UEL</b> NE
<b>EXTINGUISHING MEDIA</b> Carbon dioxide, dry chemical, or foam			
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Wear Self-Contained Breathing Apparatus (SCBA).			
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> Closed containers may explode when exposed to extreme heat.			

NA - Not Applicable      NE - Not Established

16-Oz. Be Hks, 12/case

# SECTION V - HEALTH HAZARD INFORMATION

TLV NA

**SYMPTOMS/EFFECTS OF OVEREXPOSURE** Inhalation may cause respiratory irritation and/or central nervous system (CNS) depression. Symptoms of overexposure may include headache, dizziness, nausea, unconsciousness. Chronic overexposure may cause liver and kidney damage. Skin irritation; dermatitis. Penetrates the skin to produce systemic effects. Eye contact is irritating and may cause damage. Ingestion of methyl alcohol causes damage to the optic nerve and may lead to blindness or death. Chemical pneumonitis can occur when ingested solvents are aspirated into the lungs during regurgitation. Do not induce vomiting. **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known

### FIRST AID

**EYES** Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention.

**SKIN** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists.

**INHALATION** Move victim to fresh air and restore breathing if necessary. Stay with victim until arrival of emergency medical personnel.

~~**INGESTION** Do NOT induce vomiting. Get medical attention IMMEDIATELY!~~

# SECTION VI - REACTIVITY DATA

**STABILITY** Normally Stable.

**INCOMPATIBLE MATERIALS** Avoid heat, open flame  
Strong oxidizers, strong acids

**HAZARDOUS DECOMPOSITION PRODUCTS** Combustion may produce Carbon monoxide, Carbon dioxide, Nitrogen dioxide

# SECTION VII - SPILL OR LEAK PROCEDURES

**PROCEDURES** Wear personal protective equipment (See Section VIII). Remove heat and ignition sources; ventilate the area; clean up with inert absorbant.

**WASTE DISPOSAL METHOD** Waste may be burned in an approved incinerator, or disposed of according to Local, State, and Federal regulations.

# SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY** If TLV is exceeded, or for symptoms of overexposure, wear a NIOSH-approved respirator for organic vapors.  
**EYEWEAR** If splash potential exists wear chemical splash goggles or faceshield.

**CLOTHING/GLOVES** Wear chemical-resistant gloves and clothing as needed to prevent skin contact.

**VENTILATION** Local exhaust may be necessary under some handling/use conditions. Specific needs should be addressed by supervisory or health/safety personnel.

# SECTION IX - SPECIAL PRECAUTIONS

**COMBUSTIBLE LIQUID.** Store in closed container in cool, well-ventilated area.

APPROVAL

*Finlay J. Colliton, C.I.H.*  
NAME TITLE

May 4, 1988  
DATE

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