



Material Safety Data Sheet
(in compliance with 29 CFR 1910.1200)

identity: Plasticizer OLN

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section 1 – Preparation / Product Information

manufactured for and supplied by:	telephone no: (330) 798-9300
Harwick Standard Distribution Corporation	date prepared: April 30, 2008
60 South Seiberling Street	preparer: Health, Safety & Environment
P.O. Box 9360	product use: Rubber Additive
Akron, OH 44305-0360	

section 2^[sc1] – Ingredients / Identity Information

components chemical identity/cas#	exposure limits			Toxicity LD50/LC50	amount %
	PEL	TLV	OTHER		
9-Octadeceneitrile CAS# 112-91-4				LD50 rat/oral >5000 mg/kg	98-100
9-Octadecenoic acid, ammonium salts CAS# 544-60-5					0.001-0.5
9-Octadecenamide CAS #301-02-0				LD50 rat/oral >10400 mg/kg	0.001-1.5
Oleic acid CAS# 112-80-1				LD50 rat/oral >1800 mg/kg	0.001-1

section 3 – Physical / Chemical Characteristics

boiling point:	582.8 – 680°F	specific gravity:	0.83 @ 25°C
freezing point:	41°F (5°C)	pH:	Not Determined
vapor pressure (mm Hg):	<1 @ 20°C	odor threshold (ppm):	Not Determined
vapor density (AIR=1):	Not Determined	coef. water/oil dist.:	Not Determined
solubility in water	Slightly soluble in cold water	evaporation rate:	< 1
appearance (physical state) and odor:			Liquid; Yellow Odor; fatty

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section 4 – Fire and Explosion Hazard Data

flash point (method): >300.2°F (Closed Cup)

extinguishing media: Small fires; use dry chemical powder. Large fires; use water spray, fog or foam. Do not use water jet.

special fire fighting procedures: Wear self-contained breathing apparatus and protective clothing.

unusual fire and explosion hazards: May be combustible at high temperature.

hmis rating: 1

hazardous combustion products: CO_x, NO_x

section 5 – Reactivity Data

stability **stable:** [cp2]
 unstable:

conditions to avoid (cond. of reactivity): Reacts with oxidizing agents.

incompatibility (materials to avoid): Oxidizing agents.

hazardous decomposition or byproducts: CO_x, NO_x

hazardous polymerization may occur:
 will not occur:

conditions to avoid: None known

hmis rating: 0

section 6 – Health Hazard Data

primary routes of exposure

inhalation **skin contact** **eye contact**
skin absorption **ingestion**

health hazards

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acute: May cause mild eye and skin irritation.

chronic: None known

carcinogenicity

NTP

IARC

OSHA

signs and symptoms of exposure: See Health Hazards above.

medical conditions generally aggravated by exposure: None known

hmis rating: 1

section 7 – First Aid Measures

emergency and first aid procedures

inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

ingestion: Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing; collar, tie, belt or waistband. Consult a physician.

skin contact: Wash with soap and water. If irritation develops, consult a physician.

eye contact: Check for and remove contact lenses. Flush with cool water for 15 minutes. If irritation develops, consult a physician.

section 8 – Precautions for Safe Handling and Use

steps to be taken in case material is released or spilled:

Absorb spill with an inert material and put the spill material in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

waste disposal method:
Section 10.

In accordance with federal, state, and local regulations. Refer to

precautions to be taken in handling and storing:

Avoid contact of spilled material and runoff with soils and surface waterways. Keep container tightly closed. Keep container in a cool, well-ventilated area.

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other precautions:

Avoid contact with eyes, skin, and clothing.

section 9 – Control Measures

respiratory protection (specify type):

A NIOSH/MSHA approved organic vapor as necessary.

ventilation

local exhaust:

Recommended to minimize exposure.

mechanical (general):

Recommended to minimize exposure.

protective gloves:

Impervious

eye protection:

Safety glasses or goggles

other protective clothing or equipment:

Eyewash station and safety shower, lab coat, full suit, boots

work/hygienic practices:

drinking, or smoking.

Wash thoroughly after handling and before eating,

section 10 – Additional Information

special shipping information:

Not DOT Regulated

RCRA status

The following chemical components are listed under (40 CFR 261):

None known

US Regulatory

SARA 311/312 Hazard Class
No SARA Hazards

SARA 313 Chemicals
No products were found

TSCA Inventory Status:

Chemical components are listed on the TSCA inventory.

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