Material Safety Data Sheet

NEW II

Environmentally Preferred Parts Cleaner

Meets MIL-PRF-680, Type II

Rev. 07/14/2004

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Section I: Product Identification

Product name:	New II (MIL-PRF-680, Type II)
Synonym:	Environmentally Preferred Parts Cleaner
Molecular Formula:	Proprietary Blend

The "Plain English" Section

Material Safety Data Sheets can be confusing. Federal law requires us to print a great deal of technical information, which probably won't help the non-scientist. ECOLINK includes this "PLAIN ENGLISH" section, written to address the questions and concerns of the average person. If you have additional health, safety or product questions, don't hesitate to call us at 800/886-8240.

Health Hazards: NEW II is an industrial chemical. We call it "environmentally preferred" because it is intended to replace products that are more hazardous, (1,1,1 trichloroethane, mineral spirits, MEK, etc.). This does not mean that NEW II is completely harmless. It is strong enough to remove tough industrial soils, so it can irritate your skin. We suggest you wear gloves, and avoid extended exposure to unprotected skin. Don't get it in your eyes, or breath large amounts of the vapor, (it will dry out your nasal passages). Used on a rag or from a spray bottle, the product won't produce fumes in any great quantity, (don't spray NEW II under high pressure without adequate ventilation). For more exposure and first aid information, refer to MSDS Sections II, VI.

Flash Point: NEW II's flash point is 145° F. This represents the temperature that the liquid must reach before it emits fumes that will ignite. This is pretty hot, so combustion in ordinary use isn't a big concern. If NEW II is used on rags, the rags can ignite if exposed to an open flame because the solvent is "wicked" onto the cloth. We recommend that all rags used to absorb hydrocarbon-based solvents be disposed of in an airtight metal container. Don't use NEW II around welding or any other "hot work" area.

Disposal: Straight from the drum, NEW II is **not** considered a hazardous waste product. Once it is contaminated with whatever you are cleaning, the resulting mixture may fall under a hazardous classification, depending on whether or not the material you are cleaning is hazardous. If you aren't sure how to dispose of used NEW II, give us a call and we will help you make the right decisions.

Section II: Chemical or Hazardous Components

Chemical Name	Isoparaffinic Hydrocarbon
CAS No.	64742-48-9
Exposure	<171 PPM TWA
RCRA REGULATED:	NO
CERCLA (superfund):	N/A

ALL MATERIALS IN PRODUCT ARE TSCA LISTED.

DOT Regulated:	No (Containers < 110 gallons)
	Yes (Containers >110 gallons)
DOT Haz. Class:	Combustible Liquid
DOT Shipping Name:	Petroleum distillates, n.o.s.
DOT Number:	UN 1268

(Questions concerning DOT information refer to DOT manual CFR 49, chapter 1, 10/96 edition)

Section III: Physical Data

Boiling Point:	370° F.
Specific Gravity (H2O=1):	0.767
Vapor Pressure (mm Hg.):	0.8 @ 68°F
Melting Point:	<-60°F
Vapor Density (AIR=1):	5-6
Evaporation Rate: (n-Butyl Acetate = 1)	<1
Aromatic Content:	.06%
Percent Volatile:	100%
Appearance & Odor:	Saybolt Color + 30, Odorless
VOC	767 gm/l

Section IV: Fire and Explosion Hazard Data

Flash Point (Method):

Bulk Liquid (TCC)	145°F

Flammable Limits:

LEL	0.6
UEL	6.5

Extinguishing Media:
Water spray, dry chemical, or alcohol-compatible foam is recommended.

Special Fire Fighting Procedures:
Cool exposed equipment with water spray until well after fire is out. Fire fighters should wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate gear and chemical resistant personal protective equipment.

Unusual Fire & Explosion Hazards:
Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively.

Section V: Reactivity Data

Stability: Stable

Conditions to Avoid:
High temperatures.

Incompatibility (Materials to Avoid):
Strong oxidizing agents and/or strong acids.

Hazardous Decomposition:
None expected.

Hazardous Polymerization:
None.

Section VI: Health Hazard Data

Primary Routes of Exposure:
Oral, inhalation, & skin

Ingestion:
Low order of toxicity. Causes irritation of the stomach and intestines, resulting in nausea and vomiting.

Inhalation:
High vapor concentration may cause headaches, stupor, irritation of throat and eyes, and kidney effects. Extreme aspiration into lungs may cause pneumonia or death.

Eyes:
Irritant. Liquid contact may cause slight irritation.

Skin or Contact:
Repeated and prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis).

May aggravate pre-existing diseases of the skin, liver, kidney and respiratory system.

First Aid:

Ingestion:	If swallowed, seek medical attention immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air. If not breathing, perform artificial respiration and seek medical attention immediately. Oxygen should only be administered by trained personnel.
Eyes:	Irrigate immediately with water for at least 15 minutes. Get medical attention if irritation persists.
Skin:	Wash with soap and water. Thoroughly clean contaminated clothing and shoes before re-use. If symptoms persist, seek medical attention.

Toxicity Data:

Acute Toxicity:	Oral Toxicity (mice) – LD_{50}	5 g/kg
Skin Toxicity:	Absorption (rabbits) – LD_{50}	2.0 – 4.0 g/kg
Carcinogen:	NTP – Not Listed IARC Monographs – None OSHA Regs – Not Regulated.	

Section VII: Precautions for Safe Handling

HMIS Information:

Health – 1 /	Reactivity – 1
Flammability – 2	Personal Protection – B

HMIS Definition:
0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Extreme
"/" in the Health Category denotes material does not target any major organs.
"*" in the Health Category denotes material may target certain major organs.

Eye Protection
Safety glasses and splash protection required.

Protective Gloves:
Nitrile gloves are recommended for extended exposure or immersion of hands. Rubber gloves may be used for incidental contact.

Respiratory Protection:
Use NIOSH certified organic vapor air purifying respirator, self-contained breathing apparatus, or air-supplied respirators dependent on concentration.

Ventilation: Local exhaust/hood or fan may be used. Mechanical ventilation may be necessary if working with this product in enclosed areas or elevated temperatures.

Other Protective Clothing: None required under normal use.

Work Practices: We recommend that all rags used to absorb hydrocarbon-based solvents be disposed of in an airtight metal container. Treat this chemical with respect and follow all MSDS instructions.

Section VIII: Control Measures

Small Spill: Absorb liquid with inert material, then place in a chemical waste container.

Large Spill: Eliminate all ignition sources, (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams, etc. Dike for later disposal.

Waste Disposal Method: NEW II is to be disposed of according to local, state and federal regulations. Please call us if you need additional disposal information.

Precautions To Be Taken In Handling & Storing:
Since empty containers retain product residues, all hazard precautions given in the data sheet must be observed. All metal pails or drums should be grounded and/or bonded when material is transferred. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperatures may result in ignition.

Because NEW II is a hydrocarbon, it should not be sprayed in a non-controlled environment, or misted in such a way that it could be inhaled. Please refer to the Health Hazard Section of this MSDS for additional information.

Other Precautions: Keep this and all chemicals out of the reach of children.

Section IX: Part Number and Packaging

Product Name	Part No.	Packaging	National Stock No.
NEW II	1156-55	55 Gal Drum	6850-01-474-2316
NEW II	1156-5	5 Gal Pail	6850-01-474-2317
NEW II	1156-1	4 x 1 Gal Case	6850-01-474-2319

END OF MSDS