

Permatex, Inc.  
 10 Columbus Blvd.  
 Hartford, CT 06106 USA  
 Telephone: 1-87-Permatex  
 (877) 376-2839  
 Emergency: 800-255-3924  
 International Emergency: 813-248-0585

## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** NOS COMPLETE FUEL SYSTEM CLEANER 16 FL.OZ  
**Item No:** 12203  
**Product Type:** Fuel additive

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH TLV: TWA	OSHA PEL:
KEROSINE (PETROLEUM) 8008-20-6	>85	200 mg/m <sup>3</sup> TWA	Not Listed
POLYMER AMINE BLEND MIXTURE	<10	Not Listed	Not Listed
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 64742-47-8	<2	Not Listed	100 ppm TWA
XYLENE 1330-20-7	<2	100 ppm TWA	100 ppm TWA; 435 mg/m <sup>3</sup> TWA
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. 64742-94-5	<2	Not Listed	Not Listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** Excessive inhalation causes headache, dizziness, nausea, and incoordination. Exposure to vapors or mist may result in irritation of the respiratory tract. Harmful if swallowed. May cause eye and skin irritation. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss. Eye and skin contact, ingestion, inhalation

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation

**Signs and Symptoms of Exposure:** Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Overexposure may cause eye and skin redness.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
KEROSINE (PETROLEUM) 8008-20-6	>85	male mice-no evidence; female mice-no evidence	A3	Group 3 Vol 45, pg 203; 1989
XYLENE 1330-20-7	<2	male rat-no evidence; female rat-no evidence; male mice-no evidence; female mice-no evidence	A4 - Not Classifiable as a Human Carcinogen	Group 3: Monograph 71, 1999; Monograph 47, 1989

**Medical Conditions Recognized as Being Aggravated by Exposure:** None known.

### 4. FIRST AID MEASURES

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

**Skin Contact:** Wash off with soap and water. If skin irritation persists, call a physician.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** 100 to 142 degrees F.

**Recommended Extinguishing Media:** Water fog, carbon dioxide, foam, dry chemical., Alcohol foam

**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus.

## **5. FIRE FIGHTING MEASURES**

**Hazardous Products of Combustion:**

Carbon Monoxide and Carbon Dioxide.

**Unusual Fire/Explosion Hazards:**

Exposure to temperatures over 120 degrees F. may cause bursting or venting. Keep containers cool.

**Lower Explosive Limit:**

Not determined.

**Upper Explosive Limit:**

Not determined.

## **6. ACCIDENTAL RELEASE MEASURES**

**Spill Procedures:**

Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

## **7. HANDLING AND STORAGE**

**Storage:**

Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F.

**Handling:**

Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Do not take internally. Do not use near heat, sparks or open flame. Keep container closed when not in use. Wash hands before eating and smoking.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:**

Safety glasses

**Skin:**

Neoprene or nitrile gloves recommended.

**Ventilation:**

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

**Respiratory Protection:**

An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Amber liquid

**Odor:**

Solvent

**Boiling Point:**

Not determined.

**pH:**

Not applicable

**Solubility in Water:**

Insoluble

**Specific Gravity:**

0.82

**VOC Content(Wt.%):**

>85% by weight

**Vapor Pressure:**

Not Determined

**Vapor Density (Air=1):**

>1

**Evaporation Rate:**

Not Determined

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:**

Stable at normal conditions

**Hazardous Polymerization:**

WILL NOT OCCUR.

**Incompatibilities:**

Strong oxidizers

**Conditions to Avoid:**

Heat

**Hazardous Products of Combustion:**

Carbon Monoxide and Carbon Dioxide.

## **11. TOXICOLOGICAL INFORMATION**

See Section 3

## **12. ECOLOGICAL INFORMATION**

No data available

## **13. DISPOSAL CONSIDERATIONS**

**Recommended Method of Disposal:**

Disposal should be made in accordance with federal, state and local regulations.

**US EPA Waste Number:**

D001 as per 40CFR 261.21

## **14. TRANSPORTATION INFORMATION**

**DOT (49CFR 172)**

**Domestic Ground Transport**

**DOT Shipping Name:**

Unrestricted

**Hazard Class:**

None

**Product Name:** NOS COMPLETE FUEL SYSTEM  
CLEANER 16 FL.OZ

**Item No:** 12203

#### **14. TRANSPORTATION INFORMATION**

**UN/ID Number:** None  
**Marine Pollutant:** None

#### **IATA**

**Proper Shipping Name:** Consumer Commodity (Not more than 1 liter)  
**Class or Division:** Class 9  
**UN/NA Number:** ID 8000

#### **IMDG**

**Proper Shipping:** Petroleum Distillates, n.o.s., Limited Quantity  
**Hazard Class:** Class 3 PGIII  
**UN Number:** UN 1268

#### **15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

XYLENE

#### **CALIFORNIA PROP 65:**

No California Prop 65 chemicals are known to be present.

#### **TSCA Inventory Status:**

**Listed on Inventory:** YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

#### **16. OTHER INFORMATION**

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 2, REACTIVITY 0.

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 2, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

**Prepared By:** Denise Boyd, Health and Safety Manager  
**Company:** Permatex, Inc. 10 Columbus Blvd. Hartford, CT USA 06106

**Revision Date:** December/03/2007  
**Revision Number:** 1