LE MANS P/N PJ13-16

Material Information Bulletin

or PJ1316 CS

(Approved – "Essentially Similar" to Form OSHA 20, Material Safety Data Sheet)

PJ1 Corporation
8340 E. Raintree Drive,
Scottsdale, AZ 85260 (602) 991 8420

PJI OCTANE BOOSTER 13-16

DANGER!
HARMFUL OR FATAL IF SWALLOWED
VAPOR HARMFUL
MAY CAUSE EYE AND SKIN IRRITATION
FLAMMABLE
KEEP OUT OF REACH OF CHILDREN

TYPICAL COMPOSITION

Paraffins (incl. naphthenes)	7%
Aromatics	
Toluene	93%
Benzene	< 0.1%

EXPOSURE STANDARD

The suggested Threshold Limit Value is 125 ppm (parts of vapor per million parts of air) for a daily 8-hour exposure. No OSHA exposure standard has been established for this material.

PHYSIOLOGICAL & HEALTH EFFECTS / EMERGENCY & FIRST AID PROCEDURES

Eyes

This material is a primary eye irritant. Application into the eyes of rabbits produced moderate membrane irritation without corneal involvement.

Wash eyes immediately with fresh water for at least 15 minutes and see a doctor.

Skin

This material is a primary skin irritant. Application onto the skin of rabbits produced moderate to severe erythema and edema. Prolonged or frequently repeated contact may cause the skin to become cracked or dry from the defatting action of this material. See Additional Health Data.

Wash skin thoroughly with soap and water. Launder contaminated clothing.

Inhalation

Breathing the vapors at concentrations above the exposure standard may be irritating to the respiratory tract and can cause central nervous system depression. See Additional Health Data.

If there are signs or symptoms as described in this bulletin due to breathing this material, move the person to fresh air. If breathing has stopped, apply artificial respiration. Call a doctor.

Ingestion

Not expected to be acutely toxic by ingestion. See Additional Health Data. **Note to Physician:** Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

If swallowed, DO NOT make person vomit. Call a doctor immediately.

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ADDITIONAL HEALTH DATA

See Page 3.

SPECIAL PROTECTIVE INFORMATION

Eye Protection: Chemical safety goggles must be worn if there is a likelihood of exposure.

Skin Protection: Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing impervious protective clothing including rubber gloves.

Respiratory Protection: Wear approved respiratory protection such as an organic vapor cartridge respirator or an air-supplying respirator unless ventilation equipment is adequate to keep airborne concentrations below the exposure standard.

Ventilation: Use adequate ventilation to keep the airborne concentrations of this material below the exposure standard.

Other: If eye or skin contact can occur, washing facilities for eyes and skin should be available nearby.

FIRE PROTECTION

This material presents a fire hazard. Liquid quickly evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 15°F. 40°F

Flash Point: (TCC) 5°C (TOC) 12°C

Autoignition Temp.: 279°C

Flammability Limits: 1.0-6.7%

Extinguishing Media: CO_2, Dry Chemical, Foam, Water Spray.

Special Fire Fighting Procedures: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire bulletin.

SPECIAL PRECAUTIONS

See Page 3.

ENVIRONMENTAL PROTECTION

Environmental Impact: Certain geographical areas have air pollution restrictions concerning the use of materials in work situations which may release volatile components to the atmosphere. Air pollution regulations should be studied to determine if this material is regulated in the area where it is to be used.

Precautions if Material is Released or Spilled: Eliminate all sources of ignition in vicinity of spill or released vapor. Clean up spills as soon as possible, observing precautions in Special Protective Information and on product label. Absorb large spills with absorbent clay, diatomaceous earth, or other suitable material. A fire or vapor hazard may still exist since these cleanup materials will only absorb liquid; they will not absorb vapor.

Waste Disposal Methods: Place contaminated materials in disposable containers and bury in an approved dumping area.

REACTIVITY DATA

Stability (Thermal, Light, etc.): Stable.

Incompatibility (Materials to Avoid): May react with strong oxidizing materials.

Hazardous Decomposition Products: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

Hazardous Polymerization: Will not occur.

PHYSICAL PROPERTIES

Solubility: Soluble in hydrocarbons; insoluble in water.

Appearance (Color, Odor, etc.): Colorless liquid.

Boiling Range: 107-113°C
Melting Point: n/a
Specific Gravity: 0.86 @ 15.6/15.6°C
Vapor Pressure: 40 mm Hg @ 25°C
Vapor Density (Air = 1): 3.4
Percent Volatile (Volume %): 99+%
Evaporation (BuAc = 1): 1.84
Molecular Weight: 99 (Avg.)
Viscosity: 0.57 cSt @ 37.8°C

n/a = Not Applicable

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ADDITIONAL HEALTH DATA

Product not expected to be acutely toxic by ingestion or by skin contact. The acute oral LD_{50} (rat) was 5.3 g/kg, and the acute dermal LD_{50} (rabbit) was greater than 21.5 g/kg.

This material contains a significant amount of toluene, the vapor or which may be irritating to the mucous membranes and the upper respiratory tract, and is narcotic in high concentrations. The main route of entry is through the lungs and prolonged exposure to high vapor concentrations may cause signs and symptoms of central nervous system depression such as headache, dizziness, loss of appetite, weakness and loss of coordination. Affected persons usually experience complete recovery when removed from the exposure area. Prolonged and/or repeated exposures to sub-narcotic concentrations of the vapor may cause gastrointestinal disturbances.

SPECIAL PRECAUTIONS

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

Contains Toluene and Petroleum Naphtha.
DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. Keep container closed.
DO NOT weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid.

CAUTION! Do not use pressure to empty drum or explosion may result.

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