

MATERIAL SAFETY DATA SHEET

1. Product And Company Identification

MSDS ID: MSDS467

PRODUCT NAME: Prestone® Fuel Injector Cleaner

PRODUCT NUMBER: AS730/E, 50021

FORMULA NUMBER: 2156-154, 2156-127

MANUFACTURER:

Honeywell Consumer Products Group
39 Old Ridgebury Road
Danbury, CT 06810-5109

CANADIAN OFFICE:

Honeywell Consumer Products Group
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Mississauga, Ontario L5L 3S6

INFORMATION PHONE NUMBER: (800)862-7737 (in the US) (800)668-9349 (in Canada)

EMERGENCY PHONE NUMBER: CHEMTREC (800)424-9300 (in the US) CANUTEC (613)996-6666 (in Canada)
CHEMTREC 1-703-527-3887 (outside the US)

MSDS DATE OF PREPARATION/REVISION: 03/21/08

PRODUCT USE: Automobile fuel additive - consumer use

2. Composition/Information On Ingredients

Component	CAS No.	Amount
Refined Petroleum Distillates	8052-41-3 8008-20-6 64742-95-6	90-100%
Naphthalene	91-20-3	<0.6%
1,2,4-Trimethylbenzene	95-63-6	0-5%
Proprietary Ingredient	Mixture	1-5%

3. Hazards Identification

Clear, light yellow liquid with a hydrocarbon odor.

EMERGENCY OVERVIEW

Flammable Liquid and Vapor (FP 112-155 F). May cause eye, skin and respiratory irritation. Inhalation of vapors may cause central nervous system effects including headache, dizziness, drowsiness, unconsciousness and death. Small amounts aspirated into the lungs may cause lung damage. May have chronic health effects. Possible cancer hazard. This product contains naphthalene, which may cause cancer based on animal data. The risk of cancer is depended on the duration and level of exposure.

4. First Aid Measures

INHALATION: If symptoms of exposure develop, remove to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek immediate medical attention.

SKIN CONTACT: Remove contaminated clothing immediately. Wash all affected and exposed areas with soap and water. If skin irritation or symptoms of exposure develop, seek medical attention.

EYE CONTACT: Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. If irritation, pain, swelling or tearing persist, seek medical attention.

INGESTION: Get medical assistance by calling an emergency room or poison control center. Do not make the person vomit. If medical advice cannot be obtained, take the person and product to the nearest medical emergency treatment center or

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hospital. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into the lungs.

NOTES TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and clinical conditions. A serious potential effect is aspiration pneumonitis, which may lead to non-cardiogenic pulmonary edema. The patient should be observed for signs of lung injury if aspiration is suspected.

5. Firefighting Measures

EXTINGUISHING MEDIA: Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

UNUSUAL FIRE HAZARDS: Combustible liquid. Product may form combustible mixtures at temperatures at or below the flashpoint. Runoff to sewer may cause fire or explosion hazard. Vapors are heavier than air and may travel along the ground or be moved by ventilation and be ignited by heat, flame or spark at locations distant from the material handling point.

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce carbon monoxide, carbon dioxide and nitrogen oxides.

6. Accidental Release Measures

Eliminate all ignition sources and ventilate the area. Wear appropriate protective clothing and equipment (See Section 8). Collect material using non-combustible absorbents and disposal in a container suitable for flammable waste.

7. Handling and Storage

Harmful or Fatal if Swallowed. Contains petroleum distillates.

Avoid eye contact. Avoid contact with skin and clothing.

Avoid breathing vapors.

Use with adequate ventilation.

Wash exposed skin thoroughly with soap and water after use.

Keep container away from heat, sparks, flames and other sources of ignition.

Keep containers closed when not in use.

Store in a cool, dry area away from heat, oxidizers and all sources of ignition.

Empty containers retain product residue and may be hazardous. Do not cut, weld, drill, etc. containers, even empty. Do not reuse empty containers unless properly cleaned.

NFPA CLASSIFICATION: II

8. Exposure Controls / Personal Protection

CHEMICAL	EXPOSURE LIMIT
Refined Petroleum Distillates	500 ppm TWA OSHA PEL 100 mg/m3 TWA ACGIH TLV skin
Naphthalene	10 ppm TWA OSHA PEL 10 ppm TWA ACGIH TLV skin 15 ppm ACGIH STEL
1,2,4-Trimethylbenzene	25 ppm TWA ACGIH TLV
Proprietary Ingredient	None Established

VENTILATION: General ventilation should be adequate for all normal use. For operations where the TLV may be exceeded, forced ventilation such as local exhaust may be need to maintain exposures below applicable limits.

RESPIRATORY PROTECTION: None under normal use conditions. For operations where the TLV may be exceeded, a

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NIOSH approved respirator with an organic vapor cartridge and a dust/mist prefilter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

GLOVES: Impervious gloves such as rubber, nitrile or neoprene recommended for operations which may result in prolonged or repeated skin contact.

EYE PROTECTION: Splash-proof goggles recommended.

OTHER PROTECTIVE EQUIPMENT/CLOTHING: Appropriate protective clothing as needed to minimize skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be immediately removed and laundered before re-use.

9. Physical and Chemical Properties

APPEARANCE AND ODOR: Clear, light yellow liquid with a hydrocarbon odor.

pH: Not applicable	SPECIFIC GRAVITY: 0.77-0.83
BOILING POINT: 334-408°F (167.8-208.9°C)	VAPOR PRESSURE: Not determined
FREEZING POINT: Not determined	VAPOR DENSITY: Greater than 1
SOLUBILITY IN WATER: Insoluble	PERCENT VOLATILE: Greater than 95%
VISCOSITY: Not determined	EVAPORATION RATE: Less than 1
COEFFICIENT OF WATER/OIL DISTRIBUTION: Not determined	
FLASH POINT: 112-155°F (44-68°C) Setaflash	AUTOIGNITION TEMPERATURE: Not Determined
FLAMMABILITY LIMITS: LEL: Not determined	UEL: Not Determined

10. Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Keep away from heat, sparks and open flames.

INCOMPATIBILITY: Strong oxidizing agents and reducing agents.

DECOMPOSITION PRODUCTS: Combustion will produce carbon monoxide, carbon dioxide and nitrogen oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

11. Toxicological Information

POTENTIAL HEALTH EFFECTS:

ACUTE HAZARDS:

INHALATION: Excessive inhalation of vapor or mist may cause irritation of the nose, throat and respiratory tract. May cause harmful central nervous system effects including, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death.

SKIN CONTACT: May cause irritation, seen as localized reddening and swelling. Prolonged or repeated exposure to this material may cause redness, burning, drying and cracking of the skin.

EYE CONTACT: May cause eye irritation with discomfort, tearing and blurred vision.

INGESTION: Swallowing may cause gastrointestinal disturbances including irritation, abdominal pain, belching, nausea, vomiting, frequent loose stools and diarrhea. Ingestion of large quantities may cause harmful central nervous system effects similar those listed under "Inhalation". This material is an aspiration hazard; product can enter the lungs during swallowing or vomiting and cause lung inflammation and damage.

CHRONIC EFFECTS: Reports have associated repeated and prolonged overexposure to petroleum distillates with adverse

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liver, kidney and bone marrow effects and with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the product may be harmful or fatal.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Because of its irritation and defatting properties, this product may aggravate an existing dermatitis. Respiratory symptoms associated with pre-existing lung disorders such as asthma may be aggravated by exposure to this material.

CARCINOGEN: Naphthalene is listed as possibly carcinogenic to humans (Group 2B) by IARC and is reasonably anticipated to be a carcinogen by NTP. None of the other components greater than 0.1% are listed as a carcinogen by IARC, NTP or OSHA.

Acute Toxicity Values:

Refined Petroleum Distillates: LD50 Oral Rat: >5 gm/kg
LC50 Inhalation Rat: >5,500 mg/m³/4 hr
LD50 Skin Rabbit: >3 gm/kg

1,2,4-Trimethylbenzene: LD50 Oral Rat: 5 gm/kg
LC50 Inhalation Rat: 18 gm/m³/4 hr

Naphthalene: LD50 Oral Rat: 490 mg/kg
LC50 Inhalation Rat: >340 mg/m³/1 hr
LD50 Skin Rabbit: >20 gm/kg

12. Ecological Information

No ecotoxicity data is available for this product or its components at this time.

13. Disposal Considerations

Recycle, incinerate or landfill in accordance with all local, state/provincial and federal regulations.

14. Transport Information

U.S. DOT HAZARD CLASSIFICATION (For Ground Shipments Only)

Containers Not Over 450 Liters (119 gal):

PROPER SHIPPING NAME: Excepted from HazMat Regulations (49CFR 173.150f)

TECHNICAL NAME: None

UN NUMBER: None

HAZARD CLASS/PACKING GROUP: Not Applicable

LABELS REQUIRED: None

DOT MARINE POLLUTANTS: This product does not contain Marine Pollutants as defined in 49 CFR 171.8.

IMDG CODE SHIPPING CLASSIFICATION

Only containers not over 5 Liters can be shipped as Limited Quantities

DESCRIPTION: UN1993, FLAMMABLE LIQUID, N.O.S. (Petroleum Distillates), 3, PGIII, FP 44 C, LIMITED QUANTITY

ID NUMBER: UN1993

HAZARD CLASS: 3

PACKING GROUP: III

LABELS REQUIRED: NONE

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PLACARDS REQUIRED: LIMITED QUANTITIES Marking on Transport Container

CANADIAN TDG CLASSIFICATION (For Ground Shipments Only)

Containers Not Over 450 Liters:

PROPER SHIPPING NAME: Excepted from Regulation (Section 1.33)

TECHNICAL NAME: None

UN NUMBER: None

HAZARD CLASS/PACKING GROUP: Not Applicable

LABELS REQUIRED: None

15. Regulatory Information

EPA SARA 311/312 HAZARD CLASSIFICATION: Acute Health, Chronic Health, Fire Hazard

EPA SARA 313 This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):

Pseudocumene (1,2,4-Trimethylbenzene)	95-63-6	0-5%
Naphthalene	91-20-3	<0.6%

PROTECTION OF STRATOSPHERIC OZONE: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: Spills of this product over the RQ (reportable quantity) must be reported to the National Response Center. The RQ for the product based on the RQ for Naphthalene (0.6% maximum) of 100 pounds, is 16,666 pounds. Oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

CALIFORNIA PROPOSITION 65: This product contains less than 0.6% naphthalene and less than 0.003% ethylene which are known to the State of California cause cancer.

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the ingredients are listed on the Canadian Domestic Substances List.

CANADIAN WHMIS CLASSIFICATION: Class D - Division 2 - Subdivision A - (Very toxic material causing other toxic effects) carcinogen Class B - Division 3 (Combustible Liquid)



CANADIAN WHMIS HAZARD SYMBOLS:

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS) All of the ingredients are listed on the EINECS inventory.

KOREA: All of the ingredients of this product are listed on the Korean Existing Chemicals List (KECL).

CHINA: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

16. Other Information

NFPA Rating: Fire: 2 Health: 2 Reactivity: 0

REVISION SUMMARY: New format

Section 15: Updated international inventory status

This MSDS is directed to professional users and bulk handlers of the product. Consumer products are labeled in accordance with Federal Hazardous Substances Act regulations.

While Prestone Products Corporation believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of tests conducted, the data are not to be taken as a warranty or representation for which Prestone Products Corporation assumes legal responsibility. They are offered for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

If more information is needed, please contact:

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