



PRODUCT NAME: INJECTOR & CARBURETOR CLEANER
PRODUCT CODE: 13-12

2. INGREDIENTS

CAS#	%BY WT	PEL(OSHA)	TLV(TWA (SKIN))
64742-88-7	70-90	None	None
None	10-30	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance & Odor: Light colored liquid. Hydrocarbon odor.
Health Hazards: Toxic and harmful if inhaled. Can cause severe lung damage and may be fatal if swallowed. Causes skin irritation. May cause CNS depression.
Physical Hazards: COMBUSTIBLE. Vapors are heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.

HAZARD RATING SYSTEM (NFPA)

HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0

KEY: 0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe

POTENTIAL HEALTH EFFECTS

Routes of Exposure: Inhalation, Ingestion, Skin Contact/Absorption, Eye Contact

Eye: May cause slight transient (temporary) eye irritation. Corneal injury is unlikely. Vapors or mists may cause eye irritation.

SKIN: Liquid is mildly irritating to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis.

INGESTION: Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

INHALATION: Toxic and harmful if inhaled. Vapors may be irritating to respiratory system. Breathing of high vapor concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.



4. FIRST AID MEASURES

Ensure physician has access to this MSDS

- Eyes:** Immediately flush eyes with large amounts of water for 15 minutes, lifting lower and upper lids. Get medical attention as soon as possible. Contact lenses should never be worn when working with this chemical.
- Skin:** Flush area of skin contact immediately with large amounts of water for at least 15 minutes while removing contaminated clothing. If irritation persists after flushing, get medical attention promptly. Wash clothing before re-use.
- Inhalation:** If inhaled, immediately remove victim to fresh air and call emergency medical care. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Ingestion:** DO NOT induce vomiting. Have victim rinse mouth out with water, and then drink sips of water to remove taste from mouth. In general no treatment is necessary unless large quantities are swallowed however, get medical advice. If the victim is coughing, choking has shortness of breath, or difficulty breathing, transport to the nearest medical facility for additional treatment. If any of the following delayed signs and symptoms appear within the next six (6) hours, transport to the nearest medical facility: fever greater than 101 F, shortness of breath, chest congestion or continued coughing or wheezing. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
FLASH POINT: (104 F)
METHOD USED: TCC

FLAMMABILITY LIMITS
1% VOLUME IN AIR
LOWER: 1% UPPER: 7%

EXTINGUISHING MEDIA: Water fog or fine spray. Alcohol resistant foams (ATC type) are preferred if available. General-purpose synthetic foams (including AFFF) or protein foams may function, but much less effectively. Carbon dioxide. Dry chemical. Do not use direct water stream. May spread fire.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: Warning. Flammable. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). Including a positive pressure niosh approved self-contained breathing apparatus. Cool fire exposed containers with water.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear positive-pressure, self-contained breathing apparatus (SABA) and protective fire fighting clothing (includes fire fighting helmet, coat, pants, boots and gloves).



6. ACCIDENTAL RELEASE MEASURES

PROTECT PEOPLE: Material is moderately toxic when ingested. Take adequate precautions to keep people, especially children away from spill site. PVC-coated rubber gloves and monogoggles or face shield can be used during cleanup of spill site.

PROTECT THE ENVIRONMENT: Do not dump used product or diluted material into sewers, on the ground or into any body of water.

CLEAN UP: Small spills: Soak up with absorbent material. Large spill: Dike and pump into suitable containers for disposal. Ensure compliance with all applicable statues that require notification of appropriate government officials.

7. HANDLING AND STORAGE

Product on surfaces can cause discoloring or paint removal. Practice reasonable care and cleanliness. Avoid breathing spray mists. Keep out of reach of children. This product is stable - avoid heat, sparks, flame and contact with strong oxidizing agents.

Carbon monoxide and unidentified organic compounds may be formed during combustion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Respiratory protection is required if airborne concentration exceeds TLV. At any detectable concentration, any self-contained breathing apparatus with a full face piece and operated in a pressure-demand or other positive pressure mode or any supplied-air respirator with a full face piece and operated in a pressure-demand or other positive pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive pressure mode.

Escape: Any air-purifying full-face piece respirator (gas mask) with a chin-style or front or back mounted organic vapor canister or any appropriate escape type self-contained breathing apparatus.

Skin Protection: Protective gloves recommended when prolonged skin contact cannot be avoided. Polyethylene; Neoprene; Nitrile; Polyvinyl alcohol; Natural Rubber, Butyl Rubber. Safety shower should be available.

Eye Protection: Safety goggles and face shield. Emergency eyewash should be available. Contact lenses should not be worn when working with this chemical.

Engineering Controls: Use general or local exhaust ventilation to meet TLV requirements.

9. PHYSICAL PROPERTIES

BOILING RANGE:	>320 F
FREEZE POINT:	Not Known
SPECIFIC GRAVITY (Water = 1):	.77
POUNDS/GALLONS	6.80
VAPOR PRESSURE:	Not Known
VAPOR DENSITY (air = 1)	4.70
WATER SOLUBILITY:	negligible
EVAPORATION RATE (BuAc = 1)	.15
% VOLATILE BY VOLUME:	>86



APPEARANCE: Light Blue
ODOR: Hydrocarbon odor (solvent)

10. STABILITY and REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Prevent vapor accumulation. Avoid heat and open fire.

11. TOXICOLOGICAL INFORMATION

SKIN: Not known

INGESTION: Not known

MUTAGENICITY (THE EFFECTS OF GENETIC MATERIAL): Not known

12. DISPOSAL CONSIDERATIONS

DO NOT discharge to sewer. Wear appropriate personal protection. Take up with sand, vermiculite or similar inert material. Dispose in accordance with federal, state and local regulations.

13. TRANSPORT INFORMATION

Proper Shipping Name: Fuel Additive ID No: 1268
Hazard Class: Not regulated Packaging Group: Consumer commodity ORM-D
Dot Shipping Label: ORM-D
Export: U. N. 1268 Dot Class: Combustible
Export Shipping Name: Petroleum Distillates, N.O.S., (Solvent Naphtha), Class 3.3, UN 1268, III Page 3375, FP 104 F, Limited Quantity, ERG 128

14. REGULATORY INFORMATION

Federal Regulatory Status:
Resource Conservation & Recovery Act. (RCRA) Classification:
D001 (Ignitable Hazardous Waste)

Superfund Amendment & Reauthorization Act. (SARA) Title III:
SARA Hazard Categories (311/312):
Fire Hazard. Immediate (Acute) Health Hazard. Delayed (Chronic) Health Hazard.

Toxic Substances Control Act (TSCA) Status:
This material is listed on the EPA TSCA Inventory of Chemical Substances.

State Regulation:

This material is not regulated by the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65), New Jersey Right-to-Know Chemical List or Pennsylvania Right-To-Know Chemical List.

15. DISCLAIMER

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