

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****TRADE NAME:** CGX-4®/Carburetion Propane Treatment**DATE:** 02/21/2011**SUPERSEDES DATE:** June 27, 2009**REVISION #:** 3.0**MANUFACTURER:** ENERGY ADDITIVES, INC.**ADDRESS:** 117 Lillie Ave.
Battle Creek, MI, USA 49015**24/7 EMERGENCY PHONE:** INFOTRAC 800-535-5053 Call collect internationally 352-323-3500**24/7 HEALTH EMERGENCIES:** 800-222-1222 National Poison Control Center**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS NUMBER	EINECS #	%
Petroleum distillate	64742-88-7	265-191-7	≤ 50
Proprietary components	NA	NA	≤ 50

SECTION 3 - HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW:** WARNING! FLAMMABLE/COMBUSTIBLE 

Keep away from ignition sources. Keep out of reach of children.

The product may be harmful if it is inhaled or swallowed. Avoid contact with eyes.

POTENTIAL HEALTH EFFECTS:**ROUTES OF ENTRY:** Eye contact, skin adsorption, ingestion and inhalation.**INHALATION:** Exposure to the vapour or mist may cause damage to the upper respiratory system. Symptoms may be coughing, wheezing, laryngitis and burning sensation.**SKIN CONTACT:** May cause redness, irritation and pain.**EYE CONTACT:** Vapour or mist may cause severe irritation, redness, tearing, and blurred vision.**INGESTION:** Can cause gastro-intestinal irritation, nausea, vomiting and diarrhea.**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** May cause upper respiratory irritation, cause gastric irritation, dermatitis to the skin and depression of the central nervous system.**CARCINOGENICITY:** Not listed by NTP or IARC. Not regulated as a carcinogen by OSHA.**SECTION 4 - FIRST AID MEASURES****INHALATION:** Move to fresh air free from risk of further exposure. If person not breathing call 9-1-1, then apply rescue breathing. Seek medical attention as soon as possible.**EYE CONTACT:** Flush with clean, lukewarm water raising upper and lower eyelids at low pressure for 15 minutes. Remove contact lenses, if present, after the first five minutes and continue to rinse the eyes. Seek medical attention if no relief.**SKIN CONTACT:** Rinse area with clean water for 15-20 minutes. Call poison control center or doctor for treatment advice.

INGESTION: Call a poison control center or doctor immediately for treatment advice. DO NOT INDUCE VOMITING. Lower the head when person is vomiting to minimize entry into throat and lungs.

SECTION 5 - FIREFIGHTING MEASURES

FLASHPOINT AND METHOD: 120°F (48.9 °C)

FLAMMABLE LIMITS: LEL = 1.0 UEL = 6.0

EXTINGUISHING METHOD: Use dry chemicals, carbon dioxide and foam.

FIRE OR EXPLOSION HAZARDS: This material under complete combustion will form oxides of carbon and nitrogen.

SPECIAL FIREFIGHTING PROCEDURES: Keep upwind of fire. Full emergency equipment with self-contained breathing apparatus and full protective clothing to be worn by firefighters.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Wear PPE product is flammable. Keep away from sources of ignition. Avoid breathing vapour or mist. Isolate the area and prevent material from getting into waterways.

Absorb with vermiculite, sand or other inert absorbent and place the collected material in a closed container. Use non-sparking tools.

Finish cleaning the area with small amounts of soap and water on the spill area.

SECTION 7 - HANDLING AND STORAGE

STORAGE TEMPERATURE: Keep containers tightly and keep in cool dry area. Provide a cool well-ventilated area.

SPECIAL SENSITIVITY: Avoid contact with skin and eyes, wear PPE in section 8.

HANDLING AND STORAGE PRECAUTIONS: Avoid breathing the vapour or mist. Use normal safety procedures and good personal hygiene. Wash thoroughly after use and before eating, drinking, chewing gum or using tobacco.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Use safety glasses or goggles, there is potential for vapour or mist exposure to cause severe injury to the eyes.

SKIN PROTECTION: Wear chemical resistant glove (Nitrile.) Wear long sleeve shirts, long pants and shoes and socks.

RESPIRATORY PROTECTION: Wear respirator if the airborne conditions result in an aerosol forming.

OCCUPATIONAL EXPOSURE LIMITS: Petroleum distillates OSHA PEL TWA 400 ppm.

ENGINEERING CONTROLS: Provide adequate ventilation when product is used. Eyewash and shower should be provided in mixing and loading areas.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**PHYSICAL FORM:** Liquid.**ODOUR:** Solvent odour.**SOLUBILITY IN WATER:** Not soluble**VOLATILE ORGANIC CONTENT (VOC):** 90%**SPECIFIC GRAVITY (water=1):** 0.777 @ 68 °F (20 °C)**BOILING POINT:** 318-356 °F (159-180 °C)**COLOUR:** Light tan**pH:** NA**FLASH POINT:** 120 °F (48.9 °C)**SOLUBILITY (WATER):** Not soluble.**SECTION 10 - REACTIVITY****STABILITY:** This product is stable material under normal conditions of storage and handling.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** Ignition sources.**INCOMPATIBLES:** Avoid strong oxidizing agents, acids and bases, and selected amines.**DECOMPOSITION PRODUCTS:** Product will burn and the products of complete combustion are oxides of carbon and nitrogen.**SECTION 11 - TOXICOLOGICAL/ECOLOGICAL INFORMATION**Oral LD_{50 (rat)} = 813 mg/kgLC_{50 (rat)} = 700 mg/L (4-hr test)

The significant routes of exposure are eyes, skin, ingestion and inhalation.

SECTION 12 - DISPOSAL CONSIDERATIONS**WASTE DISPOSAL METHOD:** This material is a liquid, wear PPE as outlined in Section VIII. Dispose according to the regulations of local, state and Federal regulatory agencies.**SECTION 13 - TRANSPORTATION INFORMATION****US DOT (ground) SHIPPING NAME:**

UN1268, Petroleum distillates, N.O.S., (Mineral spirits), 3, III

IATA (air) SHIPPING NAME: CARGO AIRCRAFT ONLY

NA1993, Combustible liquid, N.O.S., (Mineral Spirits), III

Use packing instruction 310, container capacity is 581.5 gallons (220 liters)

IMO (water) SHIPPING NAME:

UN1268, Petroleum distillates, N.O.S., (Mineral spirits), 3, III

Use packing instructions P001 and LP01.

SECTION 14 - REGULATORY INFORMATION**OSHA STATUS:** Flammable

TSCA STATUS: Petroleum distillates.

CERCLA REPORTABLE QUANTITY: None.

CALIFORNIA PROPOSITION 65: None.

RCRA STATUS: Not regulated under RCRA

SARA 311/312 HAZARD NOTIFICATION/REPORTING

IMMEDIATE Y **FIRE** Y **SUDDEN RELEASE OF PRESSURE** N

DELAYED Y **REACTIVE** N

SARA TITLE III: None.

SECTION 302 EXTREMELY HAZARDOUS: None.

SECTION 311/312 HAZARD CATEGORIES: None.

SECTION 313 TOXIC CHEMICALS: None.

RIGHT TO KNOW; Mineral spirits is listed in CA, FL, ME, MN, NJ and PA.

WHMIS: Class B3



Class D-2A



SECTION 15 – OTHER INFORMATION/APPROVALS

National Fire Protection Association (NFPA)

Hazardous Materials Identification System (HMIS)

NFPA

HMIS

	0 Least		
1 Health	1 Slight	1	Health
2 Flammability	2 Moderate	2	Flammability
0 Instability	3 High	0	Reactivity
	4 Severe	H	PPE

RISK PHRASES: R10, Flammable; R20, Harmful by inhalation; R21, Harmful in contact with skin; R22, harmful if swallowed; R34, Causes burns; R36, Irritating to eyes; R65, Harmful: may cause lung damage if swallowed; and R67, Vapours may cause drowsiness and dizziness.

SAFETY PHRASES: S2, keep out of reach of children; S3, Keep in cool place; S9, Keep container in a well-ventilated place; S23, Do not breathe vapours; S24, Avoid contact with skin; S25, Avoid contact with eye; S36, Wear suitable protective clothing; S37, Wear suitable gloves; S38, In case of insufficient ventilation, wear suitable respiratory equipment; S39, Wear eye/face protection; and S62, If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 16 – ABBREVIATIONS /DISCLAIMER

REASON FOR ISSUE: New product done in the International ANSI Z400 format.

APPROVAL DATE: 02/20/2011

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Abbreviations:

AICS	Australian Inventory of Chemical Substances
CAS #	Chemical Abstract Service Number
°C	Celsius temperature scale
CI	China
DSL	Canada
ECL	Korean Existing Chemicals List
EEC	European Economic Commission
ENCS	Japanese Existing and New Chemical List
EINECS #	European Inventory of Existing Chemical Substances Number
EU	European Union °F
(Israel)	2001 proposed list of chemical substances to be regulated under Israel Hazardous Substances Law and Regulations List
IARC	International Agency for Research on Cancer
LEL	Lower explosive limit
MAC	Netherlands
MAK	Germany
MITI	Ministry of International trade and Industry
NA	Not applicable
NTP	National Toxicology Program
MITI	Japan
ND	Not determined
NE	None established
OSHA	Occupational Safety Health Administration
PICCS	Philippines
PPE	Personal Protective Equipment
Prop.	Proprietary
SWISS	Giftliste 1
SWISS	inventory of Notified New Substances
TSCA	Toxic Substance Control Act
(Taiwan)	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086
UEL	Upper explosive limit
UK	United Kingdom
USA	United States

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