

MATERIAL SAFETY DATA SHEET

Section 1 Product and Company Identification

Product Name: **HGX-3® / Cutting Propane Treatment**

Revision #: 2.0

Date Revised: July 1, 2005

Manufacturer:

ENERGY ADDITIVES, INC.

371 Upton Avenue

PO Box 1694

Battle Creek MI, USA 49016

Information Telephone: 269-965-8085

Emergency Telephone: Call INFOTRAC

USA: 800-535-5053

International: 1-352-323-3500

Chemical Name: Petroleum Distillate

CAS No.: 64742-88-7

CAS Name: Petroleum Distillate

Synonyms / Common Name: Mineral Spirits,
Stoddard Solvent

Chemical Formula: Proprietary

Supplier/Importer:

Section 2 Composition/Information on Ingredients

Hazardous Component(s) (chemical & common name(s):

CAS#	Chemical Name	OSHA PEL	AGIH TLV	Other Exposure Limits	% (Optional)	EINECS/ELINCS
64742-88-7	Petroleum Distillate	400ppm	100ppm	N/A	<50%	265-191-7

Hazard Symbols: Xn (Harmful)

Risk Phrases: R10 : Flammable

R65 : Harmful: may cause lung damage if swallowed.

Safety Phrases: S2 : Keep out of the reach of children

S23: Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer).

S24 : Avoid contact with skin.

S62 : If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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Section 3

Hazards Identification

EMERGENCY OVERVIEW: WARNING: FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. EYE IRRITANT. AVOID CONTACT WITH EYES. KEEP OUT OF REACH OF CHILDREN.

POTENTIAL HEALTH EFFECTS:

Eye: Can cause severe irritation, redness, tearing, and blurred vision.

Skin: May cause skin irritation upon prolonged or repeated contacts.

Swallowing: Can cause gastro-intestinal irritation, nausea, vomiting, diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

Chronic: Prolonged exposure may contribute to respiratory tract irritation or central nervous system depression in high concentration.

Carcinogenic Potential: The compounds in this product are not listed as carcinogen or potential carcinogen by NTP, IARC, or OSHA subpart Z.

Target Organ Effects: Central Nervous System Depression in High Concentration

Medical Conditions Aggravated by Long-Term Exposure: Respiratory Deficiency

Other Information: Not Applicable

Section 4

First Aid

Emergency and First Aid Procedures:

Eyes: Flush with water for at least 15 minutes and seek immediate medical attention.

Skin: Wash with soap and large quantities of water. Seek medical attention if irritation from contact persists.

Inhalation: If breathing difficulties, dizziness, or light-headedness occurs when working in areas with high vapor concentrations, victim should seek air free of vapors. If breathing stops, begin artificial respiration and seek immediate medical advice and/or attention.

Swallowing: DO NOT INDUCE VOMITING. Seek immediate medical advice and/or attention.

Section 5

Fire Fighting Measures

Flash Point: 120° F / 49° C

Method Used: Pensky-Martens

Flammable Limits in Air % by Volume: 100%

LEL Lower: 1.0 **UEL Upper:** 6.0

Extinguishing Media: Foam, CO₂, or dry chemical fire fighting apparatus (water may be unsuitable except as a cooling agent).

Special Fire Fighting Procedure: Self contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool.

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Unusual Fire and Explosive Hazards: Combustible liquid. Keep work areas free of hot metal surfaces and other sources of ignition. Never use welding or cutting torch on or near drum (even empty) because product (residue) can ignite explosively.

NFPA (National Fire Protection Association Standard):

Health Hazard: 1 Flammability: 2 Reactivity: 0 Personal Protection: C

Section 6

Accidental Release Measures

Use recommended personal protective equipment (see Section 8).

Small Spill: Keep sources of ignition and hot metal surfaces isolated from the spill. Wipe up with paper, vermiculite, or other absorbent material.

Large Spill: Keep sources of ignition and hot metal surfaces isolated from the spill. Flush spilled material into suitable retaining areas or containers with large quantities of water.

Section 7

Handling and Storage

Handling Precautions: Use recommended personal protective equipment (see Section 8).

Personnel should avoid inhalation of vapors. Should product splash on a person, remove saturated clothing and flush contaminated area. Launder clothing before wearing.

Storage Precautions: Keep product container cool, dry and away from sources of ignition. Store in an area with adequate ventilation.

Section 8

Personal Protection/Exposure Control

Eye Protection: Use goggles or face shields to safeguard against potential eye contact.

Skin Protection: Use Impervious gloves, rubber boots, or apron as needed to minimize contact with clothing and skin.

Respiratory Protection: The use of respiratory protection depends on vapor concentration above the time-weighted TLV; use a NIOSH approved cartridge respirator or gas mask.

Other Equipment: Eyewash and Safety Shower.

Engineering Controls: Provide sufficient local exhaust ventilation.

Other Information: No food or beverage should be consumed in the work area. Wash thoroughly before eating, drinking, or smoking.

Section 9

Physical and Chemical Properties

Appearance/Physical State: Dark Red Liquid

Odor: Solvent Odor

Odor Threshold (ppm): Not Determined

pH: Not Applicable

Melting Point: Not Applicable

Boiling Point: 318 - 356°F/159 - 180°C

Vapor Pressure (mm Hg): 2

Vapor Density (Air = 1): 4.9

Evaporation Rate: Slower than ether

V.O.C.: 90% = 6.9840 lbs/gal

Specific Gravity (H2O=1): .798

Solubility in Water: No

Flash Point: (see Section 5)

Flammability Classification: Flammable

Unusual Fire or Explosion Hazards: (see Section 5)

Oxidizing Properties: Not Applicable

Other Information: None

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Section 10 Stability and Reactivity

Chemical Stability: Stable

Chemicals To Avoid: This product is incompatible with strong oxidizing agents, strong acids or bases and selected amines.

Conditions To Avoid: High Heat, Open Flame

Hazardous Decomposition Products: Thermal decomposition in the presence of air may yield Carbon monoxide and/or CO₂.

Hazardous Polymerization: Will Not Occur.

Section 11 Toxicological Information

Sensitization to Product: Not Applicable

Irritancy of Product: Irritating to eyes, skin, respiratory and digestive tracts.

Reproductive Toxicity: Not Applicable

Teratogenicity: Not Applicable

Mutagenicity: Not Applicable

Section 12 Ecological Information

Not Determined

Section 13 Disposal Considerations

Waste Disposal Methods (Consult federal, state and local regulations): Dispose of product in accordance with all applicable regulations.

The conditions of handling, storage, and use of this product are beyond our control and may be beyond our knowledge. For this and other reasons, Energy Additives, Inc. does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

Section 14 Transportation Information

	US DOT (Ground)	IATA (Air)	IMO (Ocean)	Canada TDG
Shipping Name:	Petroleum Distillates, n.o.s.	Petroleum Distillates, n.o.s.	Petroleum Distillates, n.o.s.	Petroleum Distillates, n.o.s.
Hazard Class:	3	3	3	3
UN Number:	UN1268	UN1268	UN1268	UN1268
Packing Group:	III	III / 309	III	III

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Section 15

Regulatory Information

U.S.A.

OSHA Hazard Status: This product is considered to be hazardous as defined by the U.S. OSHA HCS (29 CFR 1910.1200).

Toxic Substance Control Act (TSCA): Compounds in this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Environmental Response/Compensation and Liability Act):
No chemicals are subject to reporting in CERCLA Section 101(14)(F).

SARA:

SARA 302: Not Applicable

SARA 304: Not Applicable

SARA Title III:

- Immediate (Acute) Health Effects: Yes
- Delayed (Chronic) Health Effects: Yes
- Fire Hazard: Yes
- Sudden Release of Pressure: No
- Reactivity Hazard: No

State Regulations:

California (Proposition 65): This blend does not contain any chemicals known to the state of California to cause cancer, birth defect, or other reproductive harm.

NFPA® Rating: Health: 1, Flammability: 2, Reactivity: 0, Personal Protection: C

CANADA

WHMIS Status: This product is considered to be hazardous as defined by Canadian WHMIS Controlled Products Regulations.

WHMIS Rating: B3

WHMIS Risk Phrases: R65: Harmful – may cause lung damage if swallowed.

WHMIS Precautionary Statements: Keep away from hot metal surfaces and sources of ignition. Avoid breathing vapors. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wear splash-proof safety goggles or face shields and impervious gloves. Use with adequate ventilation. Store in a cool, well-ventilated area.

Domestic Substances List (DSL): The components of this product are listed on the Canadian Domestic Substances List (DSL).

E.U.

European Inventory of Existing Chemical Substances (EINECS): All components are in Compliance with the EC-Seventh Amendment Directive 92.

Categories of Danger (Labeling Information): Harmful (Xn)

Risk (R) Phrases: R65 : Harmful – may cause lung damage if swallowed.

Safety (S) Phrases: S2 : Keep out of reach of children; S23 : Do not breathe Gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer); S24 : Avoid contact with skin; S62 : If swallowed, Do Not Induce Vomiting, seek Medical advice immediately and show this container or label.

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Section 16

Other Information

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

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