

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EnerFlow™ 454
Description: Online Pipeline Cleaner - Corrosion Inhibitor
Manufacturers Name: Rapid Energy Services L.L.C.
Manufacturers Address: 1424 Hugh Wallis Road
 Lafayette, LA 70508
Emergency Telephone Number: 1-800-255-3924 ChemTel

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS Number	%	TLV/PEL
Kerosene	8008-20-6	Proprietary	TWA:200 mg/m ₃ 8 hour(s) Form All forms NIOSH REL (United States, 6/2001) TWA: 100 mg/m ₃ 10 hour(s). Form: All forms

The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater. Non-hazardous components may be listed at 3.0% or greater if not proprietary in nature. This is not intended to be complete compositional disclosure. Refer to Section 14 for applicable states right to know and other regulatory information.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
May Cause severe eye irritation. Skin irritation. Inhalation and ingestion hazard.

Principle Routes of Exposure: Inhalation, eye contact, skin, accidental ingestion.

Potential Health Effects:

Eyes: Can produce severe eye irritaion, prolonged contact may result in chemical burns

Skin: May produce mild to severe irritations, prolonged contact may produce chemical burns.

Inhalation: May cause irritation of respiratory tract.

Ingestion: Ingestion may cause irritation to mucous membranes, ingestion may cause burns of the upper digestive and respiratory tract. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with large quantities of water for at least 15 minutes and call a physician.

Skin Contact: Immediately remove contaminated clothing. Wash skin thoroughly with mild soap/water. Flush with luke warm water for 15 minutes. If sticky, use waterless cleaner first. Seek medical attention if ill effect or irritation develops.

Ingestion: Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested, the absence of such signs, however is not conclusive. Loose tight clothing such as a collar, tie, belt or wasteland. If the victim not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Notes to Physician: If swallowed, do not induce vomiting. Gastric lavage is recommended. Hemodialysis may be indicated for more complete elimination. For eye contact, continue to rinse eye with clean water for 20-30 minutes, retracting eyelids often. Contact ophthalmologist immediately.

5. FIRE-FIGHTING MEASURES

Flash Point: >140F (60C)

Flammable Limits: N/D

Extinguishing Media: Dry Chemical, CO₂, Foam

Hazardous Combustion Products: Heat can generate corrosive/combustible vapor. When mixed with air and exposed to an ignition source, vapors can burn in open or explode if confined. Fine sprays or mist may be combustible at temperatures below normal flash point.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not enter fire area without proper protection. See section 4 - Decomposition products possible. Fight fires from a safe distance in a protected location. Heat may build pressure and rupture closed containers spreading the fire and increasing the risk of burns and injuries. Use water spray/fog for cooling, but avoid frothing/steam explosion. Burning liquid may float on water. Notify authorities if liquid enters a sewer/public waters.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: See section 8 - Exposure Control/Personal Protection.

Environmental Precautions: Prevent flow into sewers or public water waters. Eliminate ignition sources.

Methods for Containment: Confine spill by diking. Absorb with inert material such as sand or dirt. Eliminate ignition sources. Stop leak if safe to do so. Do not touch spill. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Methods for Clean-up: Absorb with dry earth, sand or other non combustible material. Transfer to secure containers, dispose of in accordance with federal, state and local regulations. Eliminate ignition sources.

7. HANDLING AND STORAGE

Handling and Storage: For industrial use only. Keep out of the reach of children. Store in tightly closed/properly ventilated containers away from heat, sparks, open flame or strong oxidizing agents. Store drums with bungs in the up position. Carefully vent internal pressure before removing closure.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust may be required to meet exposure standards in addition to general room ventilation.

Personal Protective Equipment

Eye/Face Protection: Wear safety glasses with side shields, chemical splash goggles, or safety glasses with side shields and a full-face shield to prevent contact with eyes. The choice of protection should be based on the job activity and potential for exposure to the eyes and face.

Skin Protection: Use gloves or other appropriate personal protective equipment if skin contact with formulation is possible. Wear lab coat or other protective over garment if splashing is possible. The choice of protection should be based on the job activity and potential for skin contact.

Respiratory Protection: When possible, handle material in enclosed processes or containers. If it is properly handled with effective local exhaust ventilation or containment, respiratory protection may not be needed. For procedures involving larger quantities or dust/aerosol generating procedures such as weighing or a large transfer of liquids, an air-purifying respirator with NIOSH/MSHA approval for dusts and mists may be needed.

Other: Wash hands, face, and other potentially exposed areas after handling material (especially before eating, drinking, or smoking). Clean protective equipment thoroughly after each use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Burgundy Liquid, Light Petroleum
Physical State:	Liquid
pH:	6.5 - 7.5
Specific Gravity:	0.880
Density:	7.35
Flash Point (°F):	>140°F (60°C)
Freezing Point (°F):	N/D
Vapor Pressure:	N/D
Vapor Density:	N/D
Water Solubility:	Water Dispersible

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Heat, sparks, open flames.

Incompatible Materials: Strong acids, strong oxidizing agents.

Hazardous Decomposition Products: N/A

Possibility of Hazardous Reactions: Keep away from strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Very hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion. Hazardous in case of skin contact (sensitizer), of inhalation. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering.

LD50 Oral:

Reproductive and Developmental Toxicity: N/A

Mutagenicity: N/A

Chronic Toxicity: N/A

Carcinogenicity: Classified 3 (Not classifiable for human or animal) by IARC.

Target Organ Effects: N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects: N/A

Persistence/ Degradability: N/A

Bioaccumulation: N/A

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Contaminated product/soil/water may be RCRA/OSHA hazardous waste due to a potentially low flash point. Landfill solids at permitted sites. Use registered transporters. Burn concentrated liquids in systems compatible with water soluble wastes with low flash points. Assure emissions and effluents comply with applicable regulations.

14. TRANSPORT INFORMATION

Proper Shipping Name: Combustible Liquid, N.O.S., (Contains light aromatic distillate), 3, NA 1993, PGIII

Hazard Class: 3

UN Number: NA 1993

Packing Group: III

Reportable Quantity (RQ):

Marine Pollutant: NO

Description: Online Pipeline Cleaner - Corrosion Inhibitor

15. REGULATORY INFORMATION

International Inventories: N/A

Federal Regulations:

SARA 313: Section 313 of Title III of the superfund Amendments and Regulation Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization:

Acute Health Hazard: Suspect inhalation hazard, suspect eye contact hazard, suspect skin irritation hazard, suspect ingestion hazard.

Chronic Health Hazard: NO

Fire Hazard: Yes

Sudden Release of Pressure Hazard: Yes

Reactive Hazard: NO

State Regulations:

California Proposition 65: This product does not contain any Proposition 65 chemicals.

TSCA: All ingredients of this product are listed on TSCA inventory list.

16. OTHER INFORMATION

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	

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Signed: Safety Officer
 Date: Apr 20, 2009
 Revised: