

JUL 22 1993

L+F Products

Material Safety Data Sheet

ENERGINE (R) SPOT REMOVER

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Rev. Date
04/17/90

The d-Con Company, Inc.
Subsidiary of Sterling Drug, Inc.
225 Summit Avenue
Montvale, NJ 07645

Telephone Number: (201)573-5700 (24 hrs)

Emergency Contact: CHEMTREC
Emergency Phone Number: (800)424-9300

SECTION #1 - IDENTIFICATION

Product: ENERGINE (R) SPOT REMOVER

CAS Number: 64742-89-8
Product Code: DD-5009
Chemical Family: petroleum naphtha
Formula No.: X-2581-7

NFPA Hazard Rating - Health: 1 Slight
- Fire: 4 Extreme
- Reactivity: 1 Slight

Special Hazards: Flammable

SECTION #2 - HAZARDOUS CHEMICAL COMPONENTS

Component: A COMPLEX MIXTURE OF PREDOMINANTLY C5 TO C9 HYDROCARBONS
CAS Number: 64742-89-8 Percent of Mixture: 100.0
Recommended TWA Exposure Limit of
300 ppm for VM&P Naphtha

EnerGINE Spot Remover is a complex mixture of predominantly C5 to C9 hydrocarbons (the exact composition will vary).

Typical Distribution:

Paraffins	69%
Naphthenes	24%
Olefins	1%
Aromatics	6%
(xylene	3.5%)
(toluene	1.5%)

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SECTION #3 - PHYSICAL DATA

Boiling Point: 204-289°F
Vapor Pressure: 75mm Hg @ 100°F
Vapor Density (Air=1): 3.7
Specific Gravity: 0.73
Solubility (H₂O): Negligible
Evaporation Rate: 2.4 (butyl acetate=1)
pH: Not Applicable

Appearance

A colorless to water-white, volatile liquid.

SECTION #4 - FIRE FIGHTING & EXPLOSION DATA

Flash Point: 26°F 3°C TCC

Lower Explosive Limit (%): 1.0%
Upper Explosive Limit (%): 7.5%

Fire and Explosion Hazards

Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

Extinguishing Media

Use water fog, foam, dry chemical or CO₂. Do not use a direct stream of water. Product will float and can be reignited on surface of water.

Special Fire Fighting Instructions

Wear self-contained breathing apparatus and full protective gear.

SECTION #5 - EXPOSURE and EFFECTS - INHALATION

Routes of Exposure - Inhalation

Vapors may be irritating to respiratory tract. High concentrations may produce central nervous system depression. Symptoms may include giddiness, headaches, dizziness and nausea.

First Aid - Inhalation

Remove victim to fresh air.

SECTION #5 - EXPOSURE and EFFECTS - SKINRoutes of Exposure - Skin

Prolonged or repeated contact may cause defatting and drying of the skin which may lead to irritation and dermatitis.

First Aid - Skin

Promptly wash exposed areas thoroughly with soap and water.

SECTION #5 - EXPOSURE and EFFECTS - EYESRoutes of Exposure - Eyes

Liquid and vapor may be irritating to the eyes.

First Aid - Eyes

Immediately flush eyes with low pressure water. Remove contact lenses to insure a thorough flush and continue to flush with water for at least 15 minutes. If irritation persists, get medical attention.

SECTION #5 - EXPOSURE and EFFECTS - INGESTIONRoutes of Exposure - Ingestion

May result in vomiting. Aspiration of vomitus into the lungs may result in severe lung injury (aspiration pneumonitis).

First Aid - Ingestion

Do not induce vomiting. Get medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Note to Physician: This product contains petroleum distillates. No specific antidote is prescribed. Treatment should be based on the judgment of the physician in response to the reactions of the patient.

SECTION #5 - MISCELLANEOUS TOXICOLOGICAL INFORMATION

Carcinogenicity: NTP: No IARC: No OSHA: No

This product contains toluene, which may cause cardiac sensitization. Toluene has also been reported to cause kidney damage in animal studies. Animal studies with xylene has shown evidence of effects on the liver, kidneys and other tissues. It has also been reported to cause embryo/fetotoxic effects.

SECTION #5 - HEALTH CONDITIONS AGGRAVATED BY EXPOSURE

Pre-existing respiratory disorders.

SECTION #6 - REACTIVITY & POLYMERIZATION

Stability: Stable

Conditions to Avoid

Heat, spark and open flame

Incompatible Materials

Strong oxidizing agents

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and unidentified organic compounds.

Hazardous Polymerization: Will not occur.

SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURES

Steps to be Taken in The Event of Spills, Leaks, or Release

WARNING: Highly flammable. Eliminate all ignition sources.

Take up spills with an absorbent material and place in non-leaking containers. Seal tightly for proper disposal.

Waste Disposal Methods

Dispose of in accordance with local, state and federal regulations.

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SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURES Continued...

SARA Title III - Section 313 Supplier Notification:

This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

CAS #	Chemical Name	Percent of Mixture
108-88-3	TOLUENE	1.5
1330-20-7	XYLENE	3.5

This information must be included on all MSDSs that are copied and distributed for this material.

SECTION #8 - SPECIAL PROTECTIVE MEASURES

Ventilation

None required.

Eye Protection

None required.

Skin Protection

None required.

Respiratory Protection

None required.

Work/Hygienic Practices

None required.

SECTION #9 - SPECIAL PRECAUTIONS - STORAGE & HANDLING

Storage & Handling Conditions

Keep liquid and vapor away from heat, sparks, flame, and other sources of ignition. Surfaces that are sufficiently hot may ignite when liquid product in the absence of sparks or flame. Vapors may accumulate and travel to ignition sources distant from the handling site. Keep containers closed when not in use. Use with adequate ventilation.