

SAFETY DATA SHEET



Hot Shot's Secret Diesel Extreme

Version 3.0

Revision Date 08/12/2016

Print Date 08/12/2016

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Lubrication Specialties, Inc.
3975 Morrow Meadows Dr.
Mt. Gilead, OH 43338

Product Name: Diesel Extreme
Revision Date: 8/12/2016
SDS Number: P0404
CAS Number: Blend
Product Code: P0404
Synonyms: Diesel Fuel Additive

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Liquids, 4
Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 4 Dermal
Health, Acute toxicity, 4 Inhalation
Health, Specific target organ toxicity - Single exposure, 3
Health, Aspiration hazard, 1
Health, Carcinogenicity, 2
Health, Skin corrosion/irritation, 1 C
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Hazard Statements:

H227 - Combustible liquid
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H304 - May be fatal if swallowed and enters airways
H351 - Suspected of causing cancer
H314 - Causes severe skin burns and eye damage
H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P273 - Avoid release to the environment.

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P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+313 - IF exposed or concerned: Get medical advice/attention.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

When heated above 100 C (212 F) may undergo a self-accelerating, exothermic reaction which causes a rapid rise in temperature and pressure. Rupture of storage vessels and fire should be anticipated in case of such temperature.

VAPOR MAY CAUSE FLASH FIRE

3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
27247-96-7	49%	Nitric acid, 2-ethylhexyl ester
64742-47-8	34%	Distillates, petroleum, hydrotreated light
64742-94-5	2-5%	Solvent naphtha, petroleum, heavy arom.
34590-94-8	3%	Dipropylene glycol methyl ether
0	<2%	Long chain alkenyl heterocycle
95-63-6	<2%	1,2,4-Trimethylbenzene
1330-20-7	<1%	Xylene
64742-95-6	<1%	Solvent naphtha, petroleum, light arom.
108-67-8	<1%	1,3,5-Trimethylbenzene
100-41-4	<1%	Ethylbenzene
98-82-8	<1%	Cumene
91-20-3	<1%	Naphthalene
84605-20-9	<1%	Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs.
526-73-8	<1%	1,2,3-Trimethylbenzene
103-65-1	<1%	n-Propyl benzene

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air.
If symptoms persist, obtain medical attention.

Skin Contact: Wash with soap and water.
Remove contaminated clothing and wash before reuse.
Get medical attention if needed.

Eye Contact: Flush with water for several minutes.
If effects occur, consult a physician.

Ingestion: Rinse mouth with water and drink 2-4 cups of water.
Get immediate medical attention.

Note to Physician:
Activated charcoal may be administered.

5 FIRE FIGHTING MEASURES

Flash Point: 70 C (158 F)

Flash Point Method: PMCC

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Use dry powder, foam, or carbon dioxide fire extinguishers.
Water may be ineffective unless used by experienced fire fighters.

When heated above 100 C (212 F) may undergo a self-accelerating, exothermic reaction which causes a rapid rise in temperature and pressure. Rupture of storage vessels and fire should be anticipated in case of such temperature. Spray storage vessels with water to maintain temperature below 100 C (212 F).

VAPOR MAY CAUSE FLASH FIRE. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6 ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition - Heat, sparks, flame, and electricity
Contain spilled material.
Collect in suitable and properly labeled containers.
Pick up excess with inert absorbant material
Keep away from drains and ground water.

7 HANDLING AND STORAGE

Handling Precautions:

Avoid contact with eyes, skin, or clothing.
Keep away from sources of ignition.
Handle with care and avoid spillage on the floor (slippage).
Ground and bond containers when transferring material

When heated above 100 C (212 F) may undergo a self-accelerating, exothermic reaction which causes a rapid rise in temperature and pressure. Rupture of storage vessels and fire should be anticipated in case of such temperature. See SDS for more details.

Storage Requirements:

Keep away from sources of ignition.
Store in a tightly closed container

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment:

Use of safety glasses and gloves are recommended.

Exposure Guidelines:

1,2,4-TRIMETHYLBENZENE
ACGIH TWA: 25 ppm
NAPHTHALENE
OSHA PEL: 10 ppm, 50 mg/m³
OSHA TWA: 10 ppm, 50 mg/m³
ACGIH TWA: 10 ppm, 52 mg/m³
OSHA STEL: 15 ppm, 75 mg/m³
ACGIH STEL: 15 ppm, 79 mg/m³
1,3,5-TRIMETHYLBENZENE
ACGIH TWA: 25 ppm

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber
Physical State: Liquid

Solubility: Nil in water
Bulk Density: 7.5 lbs/gal

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10 STABILITY AND REACTIVITY

Chemical Stability: May be unstable at temperatures greater than 100 C (212 F)
Conditions to Avoid: High temperatures above 50 C (122 F), sparks, and open flame.
Materials to Avoid: Avoid strong oxidizing agents.
May burn or react violently to flourine/oxygen mixtures.

11 TOXICOLOGICAL INFORMATION

Repeated skin contact with this product may cause dermatitis or an oil acne.
No component is listed as a mutagen or teratogen.

EYE EFFECTS:
Solvent Petroleum Naphtha, slightly irritating to rabbits.

SKIN EFFECTS:
Solvent Petroleum Naphtha no deaths reported at 4 ml/kg in rats. Slightly irritating in rabbits at 4 hours.

ACUTE ORAL EFFECTS:
Solvent Petroleum Naphtha LD50 10 ml/kg in rats.

ACUTE INHALATION EFFECTS:
Solvent Petroleum Naphtha no deaths at 710 ppm in rats at 4 hours.

12 ECOLOGICAL INFORMATION

Avoid exposing to the environment.
Toxic to aquatic organisms.
May cause long term adverse effects in the aquatic environment. Based on calculations.
This product contains components which may be persistent in the environment.

Ecotoxicity
2-Ethylhexyl Nitrate:
Trout 24 Hours 145 mg/l
Trout 48 Hours 116 mg/l
Bluegill 96 Hours 4.5 mg/l
Bluegill 48 Hours 6.0 mg/l
Bluegill 72 Hours 5.4 mg/l.

13 DISPOSAL CONSIDERATIONS

Dispose of waste material in accordance with all local, state/provincial, and national requirements.
Do not flush to surface water or drains.

14 TRANSPORT INFORMATION

NA1993, Combustible liquid, n.o.s., Combustible liquid, PGIII, (Contains 2-Ethylhexylnitrate, Petroleum Naphtha)

Marine pollutant.

Not regulated for US DOT in quantities less than 119 Gallons.

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REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Nitric acid, 2-ethylhexyl ester (27247-96-7) [49%] TSCA

Distillates, petroleum, hydrotreated light (64742-47-8) [34%] TSCA

Solvent naphtha, petroleum, heavy arom. (64742-94-5) [2-5%] TSCA

Dipropylene glycol methyl ether (34590-94-8) [3%] MASS, OSHAWAC, PA, TSCA, TXAIR

Long chain alkenyl heterocycle (0) [<2%] GADSL, REACH

1,2,4-Trimethylbenzene (95-63-6) [<2%] MASS, NJHS, PA, SARA313, TSCA, TXAIR

RQ(100LBS), Xylene (1330-20-7) [<1%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

Solvent naphtha, petroleum, light arom. (64742-95-6) [<1%] TSCA

1,3,5-Trimethylbenzene (108-67-8) [<1%] MASS, TSCA

Ethylbenzene (100-41-4) [<1%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

RQ(500LBS), Cumene (98-82-8) [<1%] CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

RQ(100LBS), Naphthalene (91-20-3) [<1%] CERCLA, CSWHS, EPCRAWPC, GADSL, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs. (84605-20-9) [<1%] TSCA

1,2,3-Trimethylbenzene (526-73-8) [<1%] TSCA, TXAIR

n-Propyl benzene (103-65-1) [<1%] MASS, PA, TSCA

Regulatory CODE Descriptions

RQ = Reportable Quantity

TSCA = Toxic Substances Control Act

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

GADSL = Global Automotive Declarable Substance List (GADSL)

REACH = REACH List of Substances of Very High Concern (RSL)

NJHS = NJ Right-to-Know Hazardous Substances

SARA313 = SARA 313 Title III Toxic Chemicals

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

EPCRAWPC = EPCRA Water Priority Chemicals

HAP = Hazardous Air Pollutants

TOXICRCRA = RCRA Toxic Hazardous wastes (U-List)

TXHWL = TX Hazardous waste List

PRIPOL = Clean Water Act Priority Pollutants

TOXICPOL = Clean Water Act Toxic Pollutants

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OTHER INFORMATION

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