

SAFETY DATA SHEET



Hot Shot's Secret Diesel Winter Anti-Gel

Version 5.0

Revision Date 4/10/2018

Print Date 4/10/2018

Page 1 of 6

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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

Product Name: Hot Shot's Secret Diesel Winter Anti-Gel
Revision Date: 1/20/2017
SDS Number: P04033
CAS Number: Blend
Product Code: P04033
Synonyms: Diesel Fuel Additive

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

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

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

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Hazard Statements:

- H304 - May be fatal if swallowed and enters airways
- H314 - Causes severe skin burns and eye damage
- H351 - Suspected of causing cancer
- H336 - May cause drowsiness or dizziness
- H227 - Combustible liquid
- H312 - Harmful in contact with skin
- H332 - Harmful if inhaled
- H302 - Harmful if swallowed
- H411 - Toxic to aquatic life with long lasting effects
- H401 - Toxic to aquatic life

GHS Precautionary Statements:

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

SAFETY DATA SHEET



Hot Shot's Secret Diesel Winter Anti-Gel

Version 5.0

Revision Date 4/10/2018

Print Date 4/10/2018

Page 2 of 6

P273 - Avoid release to the environment.

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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	25-30%	2-Ethylhexyl Nitrate
108-88-3	15-20%	Toluene
64742-95-6	11-22%	Light Aromatic Solvent Naptha
34590-94-8	4-8%	dipropyl glycol methyl ether
95-63-6	2-6%	1,2,4 Trimethylbenzene
64742-47-8	3-5%	Light Hydrotreated Distillates
64742-94-5	1-5%	Heavy Aromatic Solvent Naptha
1330-20-7	1-4%	Xylene
84605-20-9	1-2%	Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivatives
98-82-8	.1-2%	Cumene
108-67-8	<1%	1,3,5 Trimethylbenzene and Mesitylene
100-41-4	<1%	Ethylbenzene
103-65-1	<1%	n propyl benzene
91-20-3	<1%	Napthalene
526-73-8	<1%	1,2,3 Trimethylebenze

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.

SAFETY DATA SHEET



Hot Shot's Secret Diesel Winter Anti-Gel

Version 5.0

Revision Date 4/10/2018

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5 FIRE FIGHTING MEASURES

Flash Point: 68 C (155 F)

Flash Point Method: PMCC

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.
Do not pressurize, cut, weld, braze, solder, drill, or grind containers.
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:

LIGHT AROMATIC SOLVENT NAPHTHA (PETROLEUM)
OSHA TWA: 500 ppm

1,2,4-TRIMETHYLBENZENE
ACGIH TWA: 25 ppm

XYLENE
OSHA TWA: 100 ppm, 435 mg/m³
ACGIH TWA: 100 ppm, 434 mg/m³
OSHA STEL: 150 ppm, 655 mg/m³
ACGIH STEL: 150 ppm, 651 mg/m³

Hot Shot's Secret Diesel Winter Anti-Gel

Version 5.0

Revision Date 4/10/2018

Print Date 4/10/2018

Page 4 of 6

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

DIPROPYLENE GLYCOL METHYL ETHER

OSHA PEL: 100 ppm, 600 mg/m³
 ACGIH TWA: 100 ppm
 ACGIH STEL: 150 ppm

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber
Physical State: Liquid
Solubility: Nil in water
Bulk Density: 7.8 lbs/gal

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.

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.
 Naphthalene Oral LD50 2600 mg/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.

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

SAFETY DATA SHEET



Hot Shot's Secret Diesel Winter Anti-Gel

Version 5.0

Revision Date 4/10/2018

Print Date 4/10/2018

Page 5 of 6

14 TRANSPORT INFORMATION

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

Marine pollutant.

Not regulated by DOT in containers less than 119 gallons

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Nitric acid, 2-ethylhexyl ester (27247-96-7) [25-50%] TSCA

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

Dipropylene glycol methyl ether (34590-94-8) [5-10%] MASS, OSHAWAC, PA, TSCA, TXAIR

Distillates, petroleum, hydrotreated light (64742-47-8) [2-5%] TSCA

Long chain alkenyl heterocycle (0) [1-5%] GADSL, REACH

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

Solvent naphtha, petroleum, light arom. (64742-95-6) [1-5%] TSCA

RQ(100LBS), Xylene (1330-20-7) [1-5%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs. (84605-20-9) [<3%] TSCA

RQ(100LBS), Naphthalene (91-20-3) [1-2%] CERCLA, CSWHS, EPCRAWPC, GADSL, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

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

n-Propyl benzene (103-65-1) [1-2%] MASS, PA, TSCA

1,2,3-Trimethylbenzene (526-73-8) [1-4%] TSCA, TXAIR

Ethyl benzene (100-41-4) [<1%] CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313,

TOXICPOL, TSCA, TXAIR

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

SAFETY DATA SHEET



Hot Shot's Secret Diesel Winter Anti-Gel

Version 5.0

Revision Date 4/10/2018

Print Date 4/10/2018

Page 6 of 6

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

16

OTHER INFORMATION

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