

ENGINE FOGGING OIL



SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

| | |
|---------------|--------------------|
| Chemical Name | Mixture |
| CAS No. | Mixture |
| Trade Name | ENGINE FOGGING OIL |
| Product Code | 16-FO-DS |

Relevant identified uses of the substance or mixture and uses advised against

| | |
|------------------------|---|
| Identified Use(s) | ENGINE FOGGING OIL |
| Uses Advised Against | None |
| Company Identification | Blaster LLC 8500 Sweet Valley Drive 44125 Valley View, Ohio - USA |
| Telephone | (216) 901-5800 |
| Fax | (216) 901-5801 www.blasterproducts.com |

Emergency telephone number

| | |
|---------------------|-------------------------|
| Emergency Phone No. | Chemtrec (800) 424-9300 |
|---------------------|-------------------------|

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

| | |
|-----------------------------|---|
| OSHA HCS (29 CFR 1910.1200) | Flam. Aerosol 2; Liquefied gas; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1 |
|-----------------------------|---|

Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard Statement(s)

Flammable aerosol.

Contains gas under pressure; may explode if heated.

Causes skin irritation.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source.

Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

Do not pierce or burn, even after use.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

Use only outdoors or in a well-ventilated area.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash hands and exposed skin after use.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get

Precautionary Statement(s)

ENGINE FOGGING OIL

medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF SWALLOWED: Do not give anything by mouth to an unconscious person. Seek medical treatment. Do NOT induce vomiting.

IF INHALED: Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

Other hazards:

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredient(s) | % wt. * | CAS No. | Hazard classification |
|--|---------|------------|---|
| Solvent Naphtha (Petroleum) Medium Aliphatic | 50-55 | 64742-88-7 | Flam. Liq. 3; H226 Skin Irrit. 2; H315 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Acute 2; H401 Aquatic Chronic 2; H411 |
| Kerosine (Petroleum), hydrodesulfurized** | 15-20 | 64742-81-0 | Flam. Liq. 3; H226 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Acute 2; H401 Aquatic Chronic 2; H411 |
| Propane | 7-14 | 74-98-6 | Flam. Gas 1; H220 Liquefied gas; H280 |
| n-Butane | 5-10 | 106-97-8 | Flam. Gas 1; H220 Liquefied gas; H280 |
| 2-Butoxyethanol | 0.5-1.5 | 111-76-2 | Flam. Liq. 4; H227 Acute Tox. 4; H302, 312, 332 Skin Irrit. 2; H315 Eye Irrit. 2A; H319 |
| Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts | 0.5-1 | 84605-29-8 | Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 2; H401 Aquatic Chronic 2; H411 |
| Vanillin | <1 | 121-33-5 | Eye Irrit. 2; H319 |
| Dipropylene glycol | <1 | 25265-71-8 | Not classified as dangerous for supply/use. |

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.: **None**

**Contains: Xylene (CAS No. 1330-20-7) at $\leq 0.1\%$ in the final formulation.

SECTION 4: FIRST AID MEASURES



Description of first aid measures

ENGINE FOGGING OIL

| | |
|---|--|
| Inhalation | Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention. |
| Skin Contact | Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse. |
| Eye Contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. |
| Ingestion | Do not give anything by mouth to an unconscious person. Seek medical treatment. Do NOT induce vomiting. |
| Most important symptoms and effects, both acute and delayed | May be fatal if swallowed and enters airways. |
| Indication of any immediate medical attention and special treatment needed | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. |

SECTION 5: FIRE-FIGHTING MEASURES

| | |
|--|--|
| Extinguishing Media | |
| -Suitable Extinguishing Media | Extinguish with carbon dioxide, dry chemical, foam or water spray. |
| -Unsuitable Extinguishing Media | Do not use water jet. |
| Special hazards arising from the substance or mixture | Pressurised container: May burst if heated. |
| Advice for fire-fighters | A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | Eliminate all ignition sources if safe to do so. Avoid contact with skin. Avoid breathing spray. Wear protective gloves/protective clothing/eye protection/face protection. |
| Environmental precautions | Prevent liquid entering sewers, basements and work pits. Avoid release to the environment. |
| Methods and material for containment and cleaning up | Cover spills with inert absorbent material. Transfer to a container for disposal or recovery. |
| Reference to other sections | None |
| Additional Information | None |

SECTION 7: HANDLING AND STORAGE

| | |
|---|--|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid breathing mist/vapours/spray. |
| Conditions for safe storage, including any incompatibilities | |
| -Storage temperature | Keep in a cool, well ventilated place. Store at temperatures not exceeding 50 °C / 122 °F. |
| -Incompatible materials | This product should be stored away from sources of strong heat or oxidizing chemicals. |
| Specific end use(s) | Rust Preventative |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ENGINE FOGGING OIL

| SUBSTANCE. | CAS No. | (8hr TWA) | | (STEL) | | Note: |
|--------------------------------|------------|------------|-------------|------------|-------------|-------|
| | | PEL (OSHA) | TLV (ACGIH) | PEL (OSHA) | TLV (ACGIH) | |
| 2-Butoxyethanol | 111-76-2 | 50 ppm | 20 ppm | ----- | ----- | ----- |
| Aliphatic hydrocarbons, C9-C15 | ----- | ----- | 1200 mg/m3 | ----- | ----- | ----- |
| Kerosine | 64742-81-0 | ----- | 200 mg/m3 | ----- | ----- | ----- |
| Xylene | 1330-20-7 | 100 ppm | 100 ppm | ----- | 150 ppm | ----- |
| Propane | 74-98-6 | 1000 ppm | Aspyx.# | ----- | ----- | # |

Assure minimum oxygen content of work atmosphere..

Recommended monitoring method

NIOSH 1550 (Naphthas); NIOSH 1501 (Hydrocarbons, Aromatic);
NIOSH 1403 (2-Butoxyethanol)

Exposure controls

Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely. Nitrile rubber.
Check with protective equipment manufacturer's data.

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|--|------------------------------------|
| Appearance | Aerosol spray |
| Color. | Brown |
| Odor | Slight solvent |
| Odor Threshold (ppm) | Not available |
| pH (Value) | Not available |
| Melting Point (°C) / Freezing Point (°C) | Not available |
| Boiling point/boiling range (°C): | -42 (-43.7°F) [Propane] |
| Flash Point (°C) | -104 (-155 °F) [Propane] |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Extremely flammable |
| Explosive Limit Ranges | 2.1% - 9.5% v/v (Propane) |
| Vapor pressure (Pascal) | ca. 95 x 10 ⁴ (Propane) |
| Vapor Density (Air=1) | ca. 1.56 @ 0°C (Propane) |
| Density (g/ml) | Not available |
| Solubility (Water) | Not available |
| Solubility (Other) | Not available |
| Partition Coefficient (n-Octanol/water) | Not available |
| Auto Ignition Point (°C) | 450 (Propane) |

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Decomposition Temperature (°C)
Kinematic Viscosity
Explosive properties
Oxidizing properties

Not available
5 cSt @ 40°C (104°F)
Not explosive.
Not oxidizing.

Other information

Not available

SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Stable under normal conditions. |
| Chemical stability | Stable. |
| Possibility of hazardous reactions | None anticipated. |
| Conditions to avoid | Avoid contact with heat and ignition sources. |
| Incompatible materials | Strong oxidizing agents |
| Hazardous decomposition product(s) | Carbon monoxide, Carbon dioxide, Acrid smoke |

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Solvent naphtha (petroleum), medium aliph. (CAS No. 64742-88-7) & Kerosine (Petroleum), hydrodesulfurized (CAS No. 64742-81-0) -
By analogy with similar materials:

| | |
|-------------------------------|--|
| Acute toxicity | Oral: LD50 >5000 mg/kg-bw Dermal: LD50 >2000 mg/kg-bw Inhalation: LC0 > 5.6 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness. |
| Irritation/Corrosivity | Causes skin irritation. |
| Sensitization | It is not a skin sensitizer. |
| Repeated dose toxicity | Oral: LOAEL 500 mg/kg Dermal: NOEL > 2000 mg/kg bw Inhalation: NOAEL ≥1000 mg/m3 |

Carcinogenicity It is unlikely to present a carcinogenic hazard to man.

| NTP | IARC | ACGIH | OSHA |
|-----|------|-------|------|
| No. | No. | No. | No. |

| | |
|------------------------------|--------------------|
| Mutagenicity | Not to be expected |
| Reproductive toxicity | Not to be expected |

Propane (CAS# 74-98-6):

| | |
|-------------------------------|---|
| Acute toxicity | Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas) |
| Irritation/Corrosivity | No evidence of irritant effects from normal handling and use. |
| Sensitisation | It is not a skin sensitizer. |
| Repeated dose toxicity | NOAEC: ≥19678 mg/m3 (28-day, rat, Systemic effects) LOAEC: 21641 mg/m3 (28-day, rat, effects: Body weight) |

Carcinogenicity It is unlikely to present a carcinogenic hazard to man.

| NTP | IARC | ACGIH | OSHA |
|-----|------|-------|------|
| No. | No. | No. | No. |

| | |
|------------------------------|--|
| Mutagenicity | There is no evidence of mutagenic potential. |
| Reproductive toxicity | None anticipated |

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SECTION 12: ECOLOGICAL INFORMATION

Solvent naphtha (petroleum), medium aliph. (CAS No. 64742-88-7) & Kerosine (Petroleum), hydrodesulfurized (CAS No. 64742-81-0) -
By analogy with similar materials:

Ecotoxicity

| | |
|------------------------------------|---|
| Short term | LC50 (96 hour): 2.5 mg/L (fish) EC50 (48 hour): 1.4 mg/L (crustacea) EC50 (72 hour): 1.3 mg/L (algae) |
| Long Term | NOEC (28 days): 0.098 mg/L (fish) LOEC (21 days): 1.2 mg/L (crustacea) LOEL (72 hour): 1 mg/L (algae) |
| Persistence and degradability | Biodegradable |
| Bioaccumulative potential | The product has no potential for bioaccumulation. |
| Mobility in soil | Not available. |
| Results of PBT and vPvB assessment | Not classified as PBT or vPvB. |
| Other adverse effects | None known. |

SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|-------------------------|--|
| Waste treatment methods | Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice. |
|-------------------------|--|

SECTION 14: TRANSPORT INFORMATION

| | Land transport <u>U.S. DOT</u> | Sea transport <u>(IMDG)</u> | Air transport <u>(ICAO/IATA)</u> |
|------------------------------|-----------------------------------|--------------------------------|-------------------------------------|
| UN number | 1950 | 1950 | 1950 |
| Proper Shipping Name | Aerosols, flammable | Aerosols, flammable | Aerosols, flammable |
| Transport hazard class(es) | 2.1 | 2.1 | 2.1 |
| Packing group | Not applicable | Not applicable | Not applicable |
| Environmental hazards | None assigned | None assigned | None assigned |
| Special precautions for user | None assigned | None assigned | None assigned |

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed and active, or exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

| Chemical Name | CAS No. | Typical %wt. | RQ (Pounds) |
|---------------|---------|--------------|-------------|
| None | ----- | ----- | ----- |

SARA 311/312 - Hazard Categories: Refer to Section 2-HAZARD IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

| Chemical Name | CAS No. | Typical %wt. |
|---------------|---------|--------------|
| None | ----- | ----- |

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

| Chemical Name | CAS No. | Typical %wt. | TPQ (pounds) |
|---------------|---------|--------------|--------------|
| None | ----- | ----- | ----- |

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California Proposition 65 List:

| Chemical Name | CAS No. | Type of Toxicity |
|---------------|----------|-----------------------------|
| Cumene | 98-82-8 | Cancer |
| Ethylbenzene | 100-41-4 | Cancer |
| Naphthalene | 91-20-3 | Cancer |
| Toluene | 108-88-3 | Developmental, Reproductive |
| Benzene | 71-43-2 | Cancer, Reproductive |

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: May 22, 2024

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H220: Extremely flammable gas.
- H226: Flammable liquid and vapour.
- H227: Combustible liquid.
- H280: Contains gas under pressure; may explode if heated.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H336: May cause drowsiness or dizziness.
- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.

Training advice: None.

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