



ENGINE DEGREASER 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 | BLASTER ENGINE DEGREASER |
| Product Code | 20-ED |

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

| | |
|------------------------|---|
| Identified Use(s) | Engine Degreaser |
| Uses Advised Against | None |
| Company Identification | The Blaster Corporation 8500 Sweet Valley Drive Valley View, Ohio 44125 www.blastercorp.com |
| Telephone | (800) 858-6605 |
| Fax | (216) 901-5801 |

Emergency telephone number

Emergency Phone No.

Transportation Emergency: CHEMTEL (800) 255-3924

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Flam. Aerosol 2; Gas under pressure; dissolved gas; STOT RE 2; Skin Irrit. 2; Eye Irrit. 2; Asp. Tox. 1; Carc. 2

Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard Statement(s)

Flammable aerosol.
Contains gas under pressure; may explode if heated
May cause damage to organs through prolonged or repeated exposure: Thymus, liver, bone marrow.
Suspected of causing cancer.
Causes skin irritation.
Causes serious eye irritation
May be fatal if swallowed and enters airways.

Precautionary Statement(s)

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not pierce or burn, even after use.



ENGINE DEGREASER

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 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:

Harmful to aquatic life with long lasting effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredient(s) | % wt. * | CAS No. | Hazard classification |
|---|---------|-------------|--|
| Fuels, diesel, C9-18-alkane branched and linear | 40 - 80 | 68476-34-6 | Flam. Liq. 3; H226 Acute Tox. 4; H332 Skin Irrit. 2; H315 Asp. Tox. 1; H304 STOT RE 2; H373 Carc. 2; H351 Aquatic Acute 2; H401 Aquatic Chronic 2; H411 |
| Kerosene | 0 - 40 | 8008-20-6 | Asp. Tox. 1; H304 |
| Distillates (petroleum), hydrotreated light ** | 10 - 15 | 64742-47-8 | Asp. Tox. 1; H304 |
| Renewable hydrocarbons (diesel type fraction) *** | 0 - 4 | 928771-01-1 | Asp. Tox. 1; H304 |
| Alcohols, C9-11 ethoxylated, (in this case 6 mole EO) | 1 - 5 | 68439-46-3 | Eye Dam. 1; H318 Aquatic Acute 2; H401 |
| Carbon Dioxide | 1 - 5 | 124-38-9 | Press. Gas (*) |
| Solvent Naptha (Petroleum) Heavy Aromatic *** | 1 - 2 | 64742-94-5 | Flam. Liq. 4; H227 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Acute 2; H401 Aquatic Chronic 2; H411 |

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.:

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

** Dearomatized. Contains: <2% aromatic hydrocarbons

**** Contains: Naphthalene (CAS No. 91-20-3, <1 %)



ENGINE DEGREASER

SECTION 4: FIRST AID MEASURES



Description of first aid measures

| | |
|--------------|--|
| 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 sources of ignition. Avoid contact with skin and eyes.

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 Additional Information

None
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



ENGINE DEGREASER

-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)

Engine Degreaser

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

| SUBSTANCE. | CAS No. | (8hr TWA) | | (STEL) | | Note: |
|-------------------------|------------|------------|--------------------------|------------|-------------|--------------------------|
| | | PEL (OSHA) | TLV (ACGIH) | PEL (OSHA) | TLV (ACGIH) | |
| Diesel Fuel | 68476-34-6 | ----- | 100 mgm3 ^(FV) | ----- | ----- | ----- |
| Kerosene | 8008-20-6 | ----- | 200 mgm3 ^(P) | ----- | ----- | ----- |
| Mineral oils / Oil Mist | ----- | 5 mg/m3 | 5 mg/m3 ^(I) | ----- | ----- | ^(I) Inhalable |
| Carbon Dioxide | 124-38-9 | 5,000 ppm | 5,000 ppm | ----- | 30,000 ppm | # |

Assure minimum oxygen content of work atmosphere.; ^(FV) Inhalable fraction and vapor; ^(I) Inhalable fraction.; ^(P)Absent aerosol exposure.

Recommended monitoring method

NIOSH 1550 (Naphthas); NIOSH 5026 (Oil mist; mineral)

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

Liquid / Aerosol

Colour.

Clear / Straw-colored

Odour

Hydrocarbon

Odour Threshold (ppm)

Not available



ENGINE DEGREASER

| | |
|--|-----------------|
| pH (Value) | Not available |
| Melting Point (°C) / Freezing Point (°C) | Not available |
| Boiling point/boiling range (°C): | Not available |
| Flash Point (°C) | >93 (199.4 °F) |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | See Note 1: |
| Explosive Limit Ranges | Not available |
| Vapour pressure (Pascal) | Not available |
| Vapour Density (Air=1) | Not available |
| Density (g/ml) | Not available |
| Solubility (Water) | Not available |
| Solubility (Other) | Not available |
| Partition Coefficient (n-Octanol/water) | Not available |
| Auto Ignition Point (°C) | Not available |
| Decomposition Temperature (°C) | Not available |
| Kinematic Viscosity (cSt) | < 20.5 @ 40 0°C |
| Explosive properties | Not explosive. |
| Oxidising properties | Not oxidising. |

Other information

Note 1: Product may burn if exposed to prolonged heat or flame.

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

Diesel Fuels / Kerosine (CAS No. 68476-34-6, 8008-20-6)

| | |
|--|--|
| Acute toxicity (calculated / estimated) | Oral: LD50 >5 g/kg-bw Dermal: LD50 >2 g/kg-bw Inhalation: LC50 4.1 mg/l (Aerosol), 4-hr. rat |
| Irritation/Corrosivity | Causes skin irritation. |
| Sensitization | It is not a skin sensitizer. |
| Repeated dose toxicity | May cause damage to organs through prolonged or repeated exposure: Thymus, liver, bone marrow. |
| Carcinogenicity | Prolonged exposure to Mineral Oils has been associated with increased incidence of skin cancer. |

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

* Contains: Naphthalene (CAS No. 91-20-3). Reasonably anticipated to be a human carcinogen (NTP) / Possible Human Carcinogen (IARC 2B).

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



ENGINE DEGREASER

Solvent Naptha (Petroleum) Heavy Aromatic (CAS No. 64742-94-5)

Acute toxicity (calculated / estimated) Oral: LD50 >5 g/kg-bw
 Dermal: LD50 >2 g/kg-bw
 Inhalation: LC50 >20 mg/l (Vapor), 4-hr. rat - May cause drowsiness or dizziness.

Irritation/Corrosivity Causes serious eye irritation. Unlikely to cause skin irritation.

Sensitization It is not a skin sensitizer.

Repeated dose toxicity No data

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

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

* Contains: Naphthalene (CAS No. 91-20-3). Reasonably anticipated to be a human carcinogen (NTP) / Possible Human Carcinogen (IARC 2B).

Mutagenicity Not to be expected
Reproductive toxicity Not to be expected

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
 Short term (estimated) LC50 (96 hour): >10 mg/L (*Oncorhynchus mykiss*)
 EL50 (48 hour): >10 mg/L (*Daphnia magna*)
 Long Term (estimated) Harmful to aquatic life with long lasting effects.

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.S. DOT) | Sea transport (IMDG) | Air transport (ICAO/IATA) |
|------------------------------|------------------------------|-------------------------|------------------------------|
| 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:



ENGINE DEGREASER

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 | ---- | ---- | ---- |

California Proposition 65 List:

| Chemical Name | CAS No. | Type of Toxicity |
|---------------|---------|------------------|
| Naphthalene | 91-20-3 | Cancer |

SECTION 16: OTHER INFORMATION

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

Date of preparation: June 30, 2021

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

Hazard Statement(s)

- H226: Flammable liquid and vapour.
- H227: Combustible liquid.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H332: Harmful if inhaled.
- H336: May cause drowsiness or dizziness.
- H351: Suspected of causing cancer.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H401: Toxic to aquatic life.
- H411: Toxic to aquatic life with long lasting effects.

Training advice: None.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.