

**Material Safety Data Sheet****1. MATERIAL AND COMPANY IDENTIFICATION**

**Material Name** : **Black Magic Engine Degreaser**  
**Uses** : Degreaser

**Manufacturer/Supplier** : **ITW Global Brands**  
6925 Portwest Dr., Suite 100  
Houston, TX. 77024-8042  
USA

**MSDS Request** : 1-855-888-1988

**Emergency Telephone Number**  
**Spill Information** : (CHEMTREC) 1-800-424-9300, Local: 1-703-527-3887  
**Health Information** : (RMPDC) 1-877-504-9352

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Identity</b>	<b>CAS No.</b>	<b>Concentration</b>
Distillates (petroleum), hydrotreated light	64742-47-8	30.00 - 60.00 %
Oxygenated solvent	34590-94-8	5.00 - 10.00 %
Carbon dioxide	124-38-9	5.00 - 10.00 %
Sodium hydroxide	1310-73-2	1.00 - 5.00 %

Aerosol spray consisting of solvent, additives, and hydrocarbon propellant.

**3. HAZARDS IDENTIFICATION**

<b>Emergency Overview</b>	
<b>Appearance and Odour</b>	: Hazy. White. Aerosol. Liquid. Hydrocarbon.
<b>Health Hazards</b>	: Vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking. Harmful: may cause lung damage if swallowed.
<b>Safety Hazards</b>	: Combustible liquid. Contents under pressure and can explode when exposed to heat or open flame.

**Health Hazards**  
**Inhalation** : Vapours may cause drowsiness and dizziness.  
**Skin Contact** : Repeated exposure may cause skin dryness or cracking.  
**Eye Contact** : Moderately irritating to eyes.  
**Ingestion** : Harmful: may cause lung damage if swallowed.  
Under normal conditions of use, this is not expected to be a primary route of exposure.

**Signs and Symptoms** : Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.

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Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance. Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure.

- Aggravated Medical Condition** : Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Respiratory system. Skin.
- Environmental Hazards** : No specific hazards under normal use conditions.
- Additional Information** : Under normal conditions of use or in a foreseeable emergency, this product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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**4. FIRST AID MEASURES**

- General Information** : In general no treatment is necessary, however, obtain medical advice.
- Inhalation** : No treatment necessary under normal conditions of use.
- Skin Contact** : No treatment necessary under normal conditions of use.
- Eye Contact** : Flush eye with copious quantities of water.
- Ingestion** : In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.
- Advice to Physician** : Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

Clear fire area of all non-emergency personnel.

- Flash point** : Not applicable.
- Specific Hazards** : Contents are under pressure and can explode when exposed to heat or flames.
- Suitable Extinguishing Media** : Aerosol containers may be cooled by a water fog.

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**6. ACCIDENTAL RELEASE MEASURES**

- Protective measures** : Remove all possible sources of ignition in the surrounding area. No specific measures.
- Clean Up Methods** : Not applicable.
- Additional Advice** : Observe the relevant local and international regulations.

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**7. HANDLING AND STORAGE**

- Handling** : Do not puncture or incinerate. Contents under pressure and can explode when exposed to heat or open flame.
- Storage** : Must be stored in a well-ventilated area, away from sunlight,

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ignition sources and other sources of heat.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

Material	Source	Type	ppm	mg/m3	Notation
Distillates (petroleum), hydrotreated light	ACGIH	TWA(Non-aerosol.)		200 mg/m3	as total hydrocarbon vapor
Distillates (petroleum), hydrotreated light	ACGIH	SKIN_DES(Non-aerosol.)			Can be absorbed through the skin.as total hydrocarbon vapor
Oxygenated solvent	ACGIH	TWA	100 ppm		
Oxygenated solvent	ACGIH	STEL	150 ppm		
Oxygenated solvent	ACGIH	SKIN_DES			Can be absorbed through the skin.
Oxygenated solvent	OSHA Z1	PEL	100 ppm	600 mg/m3	
Oxygenated solvent	OSHA Z1	SKIN_DES			Can be absorbed through the skin.
Oxygenated solvent	OSHA Z1A	TWA	100 ppm	600 mg/m3	
Oxygenated solvent	OSHA Z1A	STEL	150 ppm	900 mg/m3	
Oxygenated solvent	OSHA Z1A	SKIN_FINAL			Can be absorbed through the skin.
Carbon dioxide	ACGIH	TWA	5,000 ppm		
Carbon dioxide	ACGIH	STEL	30,000 ppm		
Carbon dioxide	OSHA Z1	PEL	5,000 ppm	9,000 mg/m3	
Carbon dioxide	OSHA Z1A	TWA	10,000 ppm	18,000 mg/m3	
Carbon dioxide	OSHA Z1A	STEL	30,000 ppm	54,000 mg/m3	
Sodium hydroxide	ACGIH	Ceiling		2 mg/m3	
Sodium hydroxide	OSHA Z1	PEL		2 mg/m3	
Sodium hydroxide	OSHA Z1A	Ceiling		2 mg/m3	

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<b>Additional Information</b>	: Adequate ventilation to control airborne concentrations below the exposure guidelines/limits. Shell has adopted as Interim Standards the OSHA Z1A values that were established in 1989 and later rescinded.
<b>Exposure Controls</b>	: Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.
<b>Personal Protective Equipment</b>	: Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
<b>Respiratory Protection</b>	: Check with respiratory protective equipment suppliers.
<b>Hand Protection</b>	: Not normally required.
<b>Eye Protection</b>	: Chemical splash goggles (chemical monogoggles).
<b>Environmental Exposure Controls</b>	: Use only in well-ventilated areas.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: Hazy. White. Aerosol. Liquid.
Odour	: Hydrocarbon.
pH	: 9.0 - 10.0
Initial Boiling Point and Boiling Range	: 100 °C / 212 °F
Pour point	: < -15 °C / 5 °F
Flash point	: Not applicable.
Specific gravity	: Typical 0.91 at 20 °C / 68 °F
Density	: 908 g/cm <sup>3</sup> at 20 °C / 68 °F (ASTM D-4052)
Water solubility	: Negligible.
Kinematic viscosity	: 100 - 500 mm <sup>2</sup> /s at 40 °C / 104 °F
Volatility	: 74.9 % vol
Volatile organic carbon content	: 9.1 % vol

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**10. STABILITY AND REACTIVITY**

<b>Stability</b>	: Stable under normal conditions of use.
<b>Conditions to Avoid</b>	: Open flame.
<b>Materials to Avoid</b>	: Not applicable.
<b>Hazardous Decomposition Products</b>	: None expected under normal use conditions.
<b>Hazardous Polymerisation</b>	: No
<b>Sensitivity to Mechanical Impact</b>	: No

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**11. TOXICOLOGICAL INFORMATION**

<b>Basis for Assessment</b>	: Information given is based on data from components.
<b>Acute Oral Toxicity</b>	: Expected to be of low toxicity: LD50 >2000 mg/kg , Rat Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. Ingestion may cause drowsiness and dizziness.
<b>Acute Dermal Toxicity</b>	: Expected to be of low toxicity: LD50 >2000 mg/kg , Rabbit

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- Acute Inhalation Toxicity** : Expected to be of low toxicity: LC50 >20 mg/l Rat  
High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
- Skin Irritation** : Expected to be non-irritating to skin.  
Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
- Eye Irritation** : Essentially non-irritating to eyes.
- Respiratory Irritation** : Not expected to be a respiratory irritant.
- Sensitisation** : Not expected to be a sensitiser.
- Mutagenicity** : No evidence of mutagenic activity.
- Carcinogenicity** : Not a carcinogen.
- Reproductive and Developmental Toxicity** : Not expected to be a developmental toxicant.

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**12. ECOLOGICAL INFORMATION**

Ecotoxicological data have not been determined specifically for this product.

- Acute Toxicity** : Data not available
- Mobility** : Disperses in water.
- Persistence/degradability** : Data not available
- Bioaccumulation** : Data not available
- Other Adverse Effects** : Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

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**13. DISPOSAL CONSIDERATIONS**

- Material Disposal** : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.
- Local Legislation** : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

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**14. TRANSPORT INFORMATION****US Department of Transportation Classification (49CFR)**

Class / Division Consumer Commodity, ORM-D

**IMDG**

Identification number UN 1950  
Proper shipping name Aerosols, non-flammable  
Class / Division 2.2  
Marine pollutant: No

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### IATA (Country variations may apply)

Identification number	ID 8000
Proper shipping name	Consumer Commodity
Class / Division	9

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## 15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

### Federal Regulatory Status

#### Notification Status

EINECS	All components listed or polymer exempt.
TSCA	All components listed.
DSL	All components listed.

#### Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)

Black Magic Engine Degreaser ()	Reportable quantity: 56180 lbs
Sodium hydroxide (1310-73-2)	Reportable quantity: 1000 lbs

#### Clean Water Act (CWA) Section 311

Sodium hydroxide (1310-73-2)	Reportable quantity: 1000 lbs
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#### SARA Hazard Categories (311/312)

Delayed (Chronic) Health Hazard. Sudden Release of Pressure Hazard.

### State Regulatory Status

#### California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

#### New Jersey Right-To-Know Chemical List

Distillates (petroleum), hydrotreated light (64742-47-8)	Listed.
Oxygenated solvent (34590-94-8)	Listed.
Carbon dioxide (124-38-9)	Listed.

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Sodium hydroxide (1310-73-2)

Listed.

**Pennsylvania Right-To-Know Chemical List**

Distillates (petroleum), hydrotreated light (64742-47-8)

Listed.

Oxygenated solvent (34590-94-8)

Listed.

Carbon dioxide (124-38-9)

Listed.

Sodium hydroxide (1310-73-2)

Environmental hazard.

Listed.

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**16. OTHER INFORMATION**

**NFPA Rating (Health, Fire, Reactivity)** : 1, 2, 0

**MSDS Version Number** : 3.0

**MSDS Effective Date** : 10/08/2010

**MSDS Revisions** : A vertical bar (|) in the left margin indicates an amendment from the previous version.

**MSDS Regulation** : The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**MSDS Distribution** : The information in this document should be made available to all who may handle the product.

**Disclaimer** : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.