

# MATERIAL SAFETY DATA SHEET



## Mega Power Engine Flush

MSDS Number: MP Engine Flush

Version Number: 1

Version Date: 1/02/2010

### MEGA POWER

8565A Somerset Drive  
Largo, FL 33773-2712  
Tel: 813-855-6664  
MSDS on-line: [www.MegaPower.com](http://www.MegaPower.com)

#### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product/Chemical Name:** MEGA POWER Engine Flush  
**Product Description:** Automotive cleaning fluid  
**Chemical Family:**  
**CAS Registry:** Mixture  
**Manufacturer:** MEGA POWER 8565A Somerset Drive Largo, FL 33773-2712 813-855-6664

#### SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS No</u>	<u>WT. RANGE %</u>	<u>EXPOSURE LIMIT</u>
Mineral Oil	64742-54-7	80-96	5mg/cubic meter as mist
Dispersant/Detergent	Mixture	2-10	Not Established
Glycol Ether TPM	107-98-2	2-10	100 ppm

\*Hazardous according to OSHA (1910.1200) or one or more state Right-to-Know lists.

#### SECTION 3 – HAZARDOUS IDENTIFICATION

**Health:** 0  
**Flammability:** 1  
**Reactivity:** 0  
**Special:** None  
0 = minimal 1= slight 2=moderate 3= serious 4= severe

##### Route(s) of Entry

**Inhalation:** Yes  
**Skin:** Yes  
**Ingestion:** Yes  
**Eyes:** Yes

**Target Organs:**

##### Effects of overexposure:

**Acute:** Eyes: May cause minimal irritation, experienced as temporary discomfort.

##### HMIS

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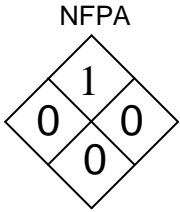
†Sec. 8

<b>Effects of overexposure (con't)</b>	<b>Acute:</b>	<b>Skin:</b> Brief contact is not irritating. Prolonged contact, as with clothing wetted with material may cause defatting of skin or irritation, seen as local redness with possible mild discomfort. Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact.
		<b>Inhalation:</b> Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness. Prolonged or repeated overexposure may result in the absorption of potentially harmful amounts of material.
<b>Sensitization Properties: Signs and Symptoms of Exposure:</b>		<b>Ingestion:</b> May cause irritation, nausea, and vomiting.
		Unknown
<b>Medical Conditions Generally Aggravated by Long-Term Exposure: Chronic Effects:</b>		See above "Effects of Overexposure."
<b>Carcinogenicity</b>		
<b>NTP:</b>		Not listed
<b>IARC Monographs:</b>		Not listed
<b>OSHA Regulations:</b>		Not listed
<b>ACGIH</b>		Not listed

#### SECTION 4 – FIRST AID MEASURES

<b>Emergency and First Aid Procedures:</b>	<b>Eye contact:</b>	Immediately flush with large quantities of water for at least 15 minutes and
	<b>Skin contact:</b>	Remove excess with cloth or paper towel. Wash thoroughly with soap and water. If irritation persists, get medical attention.
	<b>Ingestion:</b>	Immediately contact a physician, poison control center or emergency treatment center. DO NOT induce vomiting. Aspiration Hazard: Product may be inhaled into lungs if vomited.
	<b>Inhalation:</b>	Remove to fresh air. Restore and/or support breathing as required. Keep victim warm and at rest.
<b>Note to Physicians:</b>		Treat symptomatically
<b>Special Precautions/Procedures:</b>		None known

#### SECTION 5 – FIRE-FIGHTING MEASURES

<b>Unusual Fire Fighting procedures:</b>	None known	 <p>NFPA 0 1 0 0</p>
<b>Flash Point:</b>	350 F	
<b>Flash Point Method:</b>	Closed Cup	
<b>Burning Rate:</b>	Unknown	
<b>Autoignition Temperature:</b>	Unknown	
<b>Flammable limits in air (% by volume):</b>	Unknown	
<b>LEL:</b>	Not determined	
<b>UEL:</b>	Not determined	
<b>Flammability Classification:</b>	Combustible	
<b>Extinguishing Media:</b>	Use water spray, dry chemical, foam or carbon dioxide to extinguish.	
<b>Unusual Fire or Explosion Hazards:</b>	None known	
<b>Fire-Fighting Instructions;</b>	According to the National Fire Protection Association Guide, use water spray, dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water spray to disperse the vapors and to provide protection for person attempting to stop the leak.	
<b>Fire-Fighting Equipment:</b>	Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.	
<b>Unusual Fire Fighting procedures:</b>	Not required	
<b>Other Information:</b>	Products evolved when subjected to heat or combustion: Carbon Monoxide and Carbon Dioxide may be formed on burning in limited air supply.	

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill/Leak Procedures:** Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

**Regulatory Requirements:**

### SECTION 7 – HANDLING AND STORAGE

**Handling Precautions** Minimum feasible handling temperatures should be maintained.  
**Storage Requirements:** Periods of exposure to high temperature should be minimized. Water contamination should be avoided. Do not store near food.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation:** Normal to maintain exposure below TLV

**Permissible Concentrations in Air:**

**Respiratory Protection:** Supplied air respiratory protection for cleaning large spills or upon entry into tanks, vessels, or other confined spaces. Use a NIOSH approved organic vapor and gas respirator with mist filter.

**Eye Protection:** Chemical type goggles or face shield.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles.

**Work and Hygienic Practices:** Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin areas several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and odor:</b>	Clear Liquid, bland odor
<b>Boiling Point (760 mm Hg):</b>	No data
<b>Freezing/Melting Point:</b>	20 F
<b>Specific Gravity (water =1):</b>	0.86
<b>Vapor Density (air =1):</b>	>1
<b>Percent Volatile by Volume:</b>	0
<b>Evaporation Rate (butyl acetate =1):</b>	Nil
<b>Solubility in Water (% by wt):</b>	Not Soluble
<b>Vapor Pressure (at 20°C):</b>	<1
<b>pH:</b>	n/a
<b>Viscosity SUS @ 100°F</b>	110

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Does not occur
<b>Chemical Incompatibilities:</b>	Strong oxidizers, acids
<b>Conditions to Avoid:</b>	Exposure to heat, sparks, or open flames.
<b>Hazardous decomposition products:</b>	Carbon dioxide, carbon monoxide

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Eye Effects:</b>	Mildly irritating.
<b>Skin Effects:</b>	Mildly irritating.
<b>Acute Inhalation Effects:</b>	No information available.
<b>Acute Oral Effects:</b>	No information available.
<b>Chronic Effects:</b>	Unknown
<b>Carcinogenicity:</b>	Neither product nor its ingredients are listed by IARC, NTD or OSHA
<b>Mutagenicity:</b>	Not mutagenic
<b>Teratogenicity:</b>	Not Teratogenic

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Experimental studies show that acute aquatic toxicity values are greater than 1000 mg/l.
<b>Soil Absorption/Mobility:</b>	Volatilization to air is not expected to be a significant fate process due to the low vapor pressure of this material. In water, base oils will float and spread over the surface at a rate dependent upon viscosity. There will be significant removal of hydrocarbons from the water by sediment adsorption. In soil and sediment, hydrocarbon components will show low mobility with adsorption to sediments being the predominant physical process. The main fate process is expected to be slow biodegradation of base oil components in soil and sediment.

## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method:</b>	Dispose of waste in accordance with Federal, State and Local laws.
<b>Disposal Regulatory Requirements:</b>	Under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste. This is because product uses transformations, mixture, processes, etc., may render the resulting material hazardous (see waste classification)
<b>Container Cleaning and Disposal:</b>	Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

## SECTION 14 – TRANSPORT INFORMATION

DOT Shipping Name:	Not regulated
Shipping Symbols:	Not applicable
Hazard Class:	Not applicable
DOT Identification No.:	
Packing Group:	Not applicable
Label:	Not applicable
Special Provisions (172.102):	Not applicable
<b>Packaging Authorizations</b>	
a) Exceptions:	Not applicable
b) Non-bulk Packaging:	Not applicable
c) Bulk Packaging:	Not applicable
<b>Quantity Limitations</b>	
a) Passenger, Aircraft, or Railcar:	Not applicable
b) Cargo Aircraft Only:	Not applicable
<b>Vessel Stowage Requirements</b>	
a) Vessel Stowage:	Not applicable
b) Other:	Not applicable

## SECTION 15 – REGULATORY INFORMATION

### EPA Regulations

RCRA Hazardous Waste Number and RCRA Hazardous Waste Classification: Unused product is not classified as a hazardous waste by RCRA criteria

CERCLA Hazardous Substance and CERCLA Reportable Quantity: Does not contain any ingredients listed as a CERCLA hazardous substance.

SARA Toxic Chemical and SARA EHS: Contains following substance which is listed in Title III: SARA 313 Information: SARA Hazard Category:

### OSHA Regulations:

### State Regulations:

Other: All components listed on both TSCA (USA) and DSL (Canada) inventory.

## SECTION 16 – OTHER INFORMATION

Prepared By: **MEGA POWER**

Additional Hazard Rating Systems: None

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This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not apply.

CONSULT MEGA POWER FOR FURTHER INFORMATION.