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MATERIAL SAFETY DATA SHEET

Effective Date: 10-30-98 Revision Date: none

MotorVac HD Gasoline Fuel System Cleaning Solution (700-2378)

Code: MVT Page: 1

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Section 1 - Product and Company Identification

PRODUCT NAME: MotorVac HD Gasoline Fuel System Cleaning Solution (700-2378)

MANUFACTURER'S NAME:	EMERGENCY TELEPHONE NUMBER
MotorVac Technologies, Inc.	(800)424-9300
1350 Reynolds Ave., Suite 103	
Irvine, CA 92714	MISCELLANEOUS INFORMATION
	(714)549-8810

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Section 2 - Hazardous Ingredients

All components of this product are on the TSCA List. Sara Title III Section 313 Supplier Notification. This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	Wt. % (Reg. Section)	RQ (lbs.)
Light Aromatic Solvent Naphtha			
	*64742-95-6	Not appl. (311, 312)	None
*1, 2, 4-Trimethylbenzene	95-63-6	7(311, 312, 313, RCRA)	None
*2-Butoxyethanol	111-76-2	8 (313)	None
Specific chemical identity withheld as trade secret	N/A	Not appl. (311,, 312)	N/A

SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health, Fire.

MATERIAL	CAS#	TWA + (OSHA)	TLV (ACGIH)
Light Aromatic Solvent Naphtha			
	*64742-95-6	100 PPM	5 mg/m3
1, 2, 4- Trimethylbenzene	95-63-6	25 PPM	25 PPM
2-Butoxyethanol	111-76-2	25 PPM (S)	25 PPM (S)
Specific chemical identity withheld as trade secret	N/A	25 PPM (S)	25 PPM (S)

MATERIAL	CAS#	CEILING	STEL (OSHA/ACGIH)
Specific chemical identity withheld as trade secret	N/A	Not Known	40 PPM

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Section 4 - First Aid Measures

Eye Contact:

Immediately flush with plenty of water for 15 minutes & call a physician.

Skin Contact:

Immediately remove contaminated clothing. Wash skin thoroughly with soap and water. Wash contaminated clothing before reuse. (Discard contaminated shoes.)

Inhalation:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. Call a physician immediately!

Swallowing:

Call a physician immediately! Do not induce vomiting. Never give anything by mouth to an unconscious person. Have patient lie down and keep warm. Vomiting may lead to pneumonitis, which may be fatal.

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Section 5 - Firefighting Measures

Lower flammable limit in air (% by vol.): 1.0

Flash point (test method): 112 deg F/ 44.4 deg C (TCC) (lowest component)

Flammability classification: Class II

Extinguishing media:

NFPA Class B extinguishers (carbon dioxide or foam) for Class II liquid fires.

Special fire fighting procedures:

Water spray may be ineffective on fire but can protect firefighters and cool closed containers.

Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive pressure self-contained breathing apparatus.

Unusual explosion and fire procedures:

Combustible!

Keep container tightly closed. Isolate from oxidizers, heat & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Empty container very hazardous! Continue all label precautions!

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Section 6 - Environmental Release Measures

Spill or leak procedures:

Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Mop up and dispose of.

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Section 7 - Handling and Storage

Handling:

Isolate from oxidizers, heat, and open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA standard goggles or face shield. Consult safety equipment supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, braze, or weld. Empty container very hazardous! Continue all label precautions!

Storage:

Do not store above 49 deg C/120 deg F. Store large amounts in structures made for OSHA
Class II liquids. Keep container tightly closed and upright when not in use to prevent leakage.

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Section 8 - Exposure Controls/Personal Protection

Exposure controls:

None necessary.

Ventilation:

Local exhaust: Necessary
Mechanical (general): Acceptable
Special: None
Other: None

Personal protection

Wear OSHA standard goggles or face shield. Consult safety equipment supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse

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Section 9 - Physical and Chemical Properties

Appearance:

Liquid, amber color

Odor:

Ammonia odor

Boiling Range: 100 172 204 deg C/212 343 400 deg F

Specific gravity (water =1): 0.92

Pounds/gallon (lbs./gal): 7.66

VOC's (vapor pressure >0.44 lbs./in²) (lbs./gal.): 0.000

Total volatile organic compounds (TVOC) (gr/lt): 595.0

Vapor pressure (mm of HG) @ 20 deg C: 1.6
Vapor density (air = 1): 4.3
% Volatile by vol.: 100.0

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Section 10 - Stability and Reactivity

Stability: Stable

Conditions to avoid: Isolate from oxidizers, heat, and open flame.

Material to avoid: Isolate from strong oxidizers such as permanganates, chromates and peroxides.

Hazardous decomposition products: Carbon monoxide, carbon dioxide from burning.

Hazardous polymerization: Will not occur.

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Section 11 - Toxicological Information

No information.

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Section 12 - Ecological Information

No information.

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Section 13 - Disposal Considerations

This product is considered a hazardous waste. May be incinerated or burned in a RCRA licensed facility.

Waste disposal method:

Recycle or dispose of observing local, state & federal health, safety & pollution laws. If questions exist, contact the appropriate agencies.

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Section 14 - Transport Information

*Note the information below are just guidelines. It is the responsibility of the shipper to ensure that all the proper procedures are followed.

When shipped by ground (U.S.A.), in small quantities: Consumer commodity
ORM-D

When shipped by ground (U.S.A.), in drums: not regulated

When shipped by air:

(NOT APPLICABLE TO DRUMS)

