

MSDS Document

Product ENGAGE

1. Chemical Product and Company Identification

Trade Name of this Product ENGAGE

MSDS ID DA 7101

Manufacturer

Drummond American
600 Corporate Woods Parkway
Vernon Hills, IL 60061

Contact Name

Corporate Compliance Team

Phone Number

(847) 913-9313

Emergency Phone

(888) 426-4851

Revision Date 02/01/1998

Health:	1
Fire:	3
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
2-ETHYLHEXYL ACETATE	103-09-3	5-10 %		ND	ND
SYNTHETIC OILS	PROPRIETA RY	10-15 %			
ALIPHATIC PETROLEUM DISTILLATES	8052-41-3	10-15 %		NE	NE
LIQUIFIED PETROLEUM GAS	68476-85-7	10-20 %	1000	ND	ND
POLYTETRAFLUOROE THYLENE	9002-84-0	1-5 %		ND	ND
PETROLEUM HYDROCARBON	MIXTURE	1-5 %		ND	ND
ALIPHATIC PETROLEUM DISTILLATE	64742-53-6	35-45 %		ND	ND

ISOBUTYL ACETATE	110-19-0	1-5 %	150	150	ND
PROPYL ACETATE	109-60-4	1-5 %	200	200	250
N-BUTYL ACETATE	123-86-4	1-5 %	150	150	200
ZINC ALKYLDITHIOPHOSPH ATE	68649-42-3	ND %		ND	ND

3. Hazard Identification

Route Of Entry

Ingestion Inhalation Eyes Skin

EFFECTS OF OVEREXPOSURE

INHALATION: Shortness of breath, dizziness and lightheadedness. EYE CONTACT: May cause irritation. SKIN CONTACT: May cause slight irritation. INGESTION: May cause chemical pneumonia if aspirated into lungs.

Target Organs Effected

None known.

4. First Aid Information

EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention. SKIN: Wash exposed area with soap and water. INHALATION: Remove to fresh air. INGESTION: Do not induce vomiting. Seek immediate medical attention. *** If irritation persists, seek medical attention. ***

5. Fire Fighting Measures

Flash Point	< 0 F (Propellant)
LEL	1
UEL	10.5

Extinguishing Media

Sand Water Fog Dry Chemical Carbon Dioxide Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Material is highly volatile and readily gives off vapors which may travel along the ground or move by ventilation and be ignited. Possible ignition sources such as: pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations distant from material handling point.

SPECIAL FIREFIGHTING PROCEDURES

Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Wear a full face positive pressure self contained breathing apparatus when fighting fires.

FLAMMABILITY CLASSIFICATION
OSHA CLASS N/A
DOT Class N/A

6. Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Ventilate area. Remove all sources of ignition. Clean up with an absorbent material and place in a container for proper disposal.

7. Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Do not store in direct sunlight, near open flames, or at temperatures exceeding 120 F.

Other Precautions

Keep out of reach of children. Read entire label prior to use.

Hygienic Practices

Wash hands before eating or using the washroom. Smoke in SMOKING AREAS ONLY.

8. Exposure Controls and Personal Protection

PROTECTIVE GLOVES

Gloves (polyvinyl alcohol or polyethylene) are recommended for prolonged or repeated contact.

VENTILATION

Sufficient to keep the vapor concentrations below the exposure limits.

Other Protective Equipment

Long sleeves and pants or an apron are recommended to prevent skin contact.

RESPIRATORY PROTECTION

None necessary under normal conditions. If the exposure limits are exceeded, a NIOSH/OSHA approved respirator is recommended.

Eye Protection

ANSI approved splash goggles are recommended.

9. Physical and Chemical Properties

Boiling/Cond. Point	RANGE < 0 - 406
Evaporation Rate	Slower than ether
Vapor Density	Heavier than air

OPTIONAL INFORMATION:

Appearance / Odor: Amber liquid / Petroleum odor.

Specific Gravity: ND
Solubility in water: None

10. Stability and Reactivity

Stability
Stable

Hazardous Polymerization
Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon monoxide, carbon dioxide, and trace phosgene gas.

Incompatibility
Strong oxidizing agents, strong alkalies, and strong mineral acids.

Conditions To Avoid
Open flames or electrical arcs.

11. Toxicological Information

Carcinogenicity
NTP - No OSHA - No IARC - No None known.

12. Ecological Information

13. Disposal Considerations

Waste Disposal Method
Dispose of in accordance with local, state, and federal regulations.

14. Transportation Information

D.O.T. Emergency Response Information
Not Applicable.

U.N. CLASSIFICATION
PER DOT ORM-D
PER IMCO N/A

15. Regulatory Information

16. Other Information