

# Material Safety Data Sheet

## Optimax High Solids

### Section 1. Chemical Product and Company Identification

Product Name	Optimax High Solids	
Product Number	BL0873	
Product Use	Not available	
Manufacturer/ Supplier	Amrep, Inc. 990 Industrial Park Drive Marietta, GA 30062	
Phone Number	(770) 422-2071 (Mon-Fri/ 8am- 5pm ET)	
D.O.T. Emergency Phone:	CHEM TEL (800) 255-3924 INTERNATIONAL: + 01-813-248-0584	
Date of Preparation	May 5 2009	Revision Number

### Section 2. Hazards Identification

**Emergency overview**      This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**CAUTION!**

Avoid contact with eyes. Do not ingest. Wash thoroughly after handling.

**Potential Acute Health Effects**      Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of skin contact (irritant), .

**Routes of Entry**      Dermal contact. Eye contact. Inhalation. Ingestion.

**Eyes**      Hazardous in case of eye contact (irritant).

**Skin**      Sensitization of the product: Not available.  
Slightly hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Inhalation**      May be irritating to respiratory system, especially at elevated temperatures.

**Ingestion**      Hazardous in case of ingestion.

**Medical conditions aggravated by exposure:**      Repeated skin exposure can produce local skin destruction, or dermatitis.

**Potential Chronic Health Effects**      Repeated skin exposure can produce local skin destruction, or dermatitis.

**Carcinogenic Effects**      Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

**Target organs**

**Environmental Tests**

### Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Acrylate Copolymer	N/A	15 - 20	Not available.	Not available.
Diethylene Glycol Ethyl Ether	111-90-0	1 - 5	TWA: 25 ppm CEIL: 25 ppm	ORAL (LD50): Acute: 5540 mg/kg [Rat].
Dipropylene Glycol Methyl Ether	34590-94-8	1 - 5	ACGIH TLV (United States). TWA: 100 ppm 8 hour(s). STEL: 150 ppm 15 minute(s).	Not available.
Tributoxyethyl Phosphate	78-51-3	1 - 5	Not available.	Not available.
Oxidized Ethylene Copolymer	68441-17-8	1 - 2	Not available.	Not available.
Ammonium Hydroxide	1336-21-6	1 - 2	Not available.	Not available.

#### Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).

Notes to  
Physician

#### Section 5. Fire Fighting Measures

Flammability	Not applicable.
Fire Fighting Media and Instructions	Not applicable.
Products of Combustion	Not applicable.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	
Sensitivity to Mechanical Impact	
Sensitivity to Static Discharge	
	Not available.
Protection of Fire Fighters	See special remarks on Fire Hazards

#### Section 6. Accidental Release Measures

Personal Precautions	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Methods for Containment	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Absorb with DRY earth, sand or other non-combustible material. Do not allow any potentially contaminated water including rain water, runoff from fire fighting or spills to enter any waterway, sewer or drain

Environmental  
Precautions  
Methods for Clean Up

See Methods for Containment  
See Methods for Containment

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## Section 7. Handling and Storage

Precautions	Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, alkalis.
Incompatibility	Reactive with oxidizing agents, acids, alkalis.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Avoid contact with eyes. Do not ingest. Wash thoroughly after handling.

## Section 8. Exposure Controls/Personal Protection

### Engineering Controls

### Personal Protection

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Eyes

Safety glasses.

### Body

No special protective clothing is required.

### Respiratory

A respirator is not needed under normal and intended conditions of product use. Wear appropriate respirator when ventilation is inadequate.

### Hands

Impervious gloves.

### Protective Clothing (Pictograms)



### Exposure Limits

See Section 2 For Applicable Exposure Limits

## Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Characteristic.
		Color	White.
Molecular Weight	Not applicable.		
pH	Not available.		
Boiling/Condensation Point	100°C (212°F)		
Melting/Freezing Point	May start to solidify at 0°C (32°F) based on data for: Water.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.03		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Volatility	>50% (w/w).		
VOC	62.034 (g/l).		
Evaporation Rate	<1 compared to Butyl acetate.		
Dispersion Properties	See solubility in water, methanol, acetone.		
Solubility	Easily soluble in methanol, acetone. Partially soluble in cold water, hot water.		
The Product is:	Non-flammable.		

Auto-ignition Temperature	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Not available.

### Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Reactive with oxidizing agents, acids, alkalis.
Hazardous Decomposition Products	Not available.

### Section 11. Toxicological Information

Routes of Entry	
Toxicity to Animals	Dermal contact. Eye contact. Inhalation. Ingestion.
Acute Effects on Humans	Acute oral toxicity (LD50): 5540 mg/kg [Rat]. (Diethylene Glycol Ethyl Ether).
yes	Hazardous in case of eye contact (irritant).
Skin	Sensitization of the product: Not available. Slightly hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Inhalation	May be irritating to respiratory system, especially at elevated temperatures.
Ingestion	Hazardous in case of ingestion.
Chronic Effects on Humans	Repeated skin exposure can produce local skin destruction, or dermatitis.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

### Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	These products are nitrogen oxides (NO, NO <sub>2</sub> ...).
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

### Section 13. Disposal Considerations

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Waste Stream** Not available.

### Section 14. Transport Information

**DOT (U.S.A)**  
(Pictograms)



**TDG Classification**



**PIN UN, Proper Shipping Name, PG** Not applicable.

**Maritime Transportation** Not available.

**Special Provisions for Transport** Not available.

### Section 15. Other Regulatory Information and Pictograms

**Regulatory Lists** No products were found.

**Other Regulations** Not available. or of its ingredients

**Other Classifications** **HCS (U.S.A.)** HCS Class: Irritating substance.

**USA Regulatory Lists** **WARNING:** This product contains chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Formaldehyde

**WARNING:** This product contains chemical(s) known to the state of California to cause cancer.: Formaldehyde

Massachusetts RTK: Formaldehyde

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Diethylene Glycol Ethyl Ether: Fire hazard

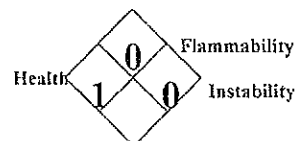
**DSD (EEC)** This product is not classified according to the EU regulations.

**International Regulations Lists** No products were found.

**Hazardous Material Information System (U.S.A.)**

Health	1
Flammability	0
Physical Hazard	0

**National Fire Protection Association (U.S.A.)**



Specific Hazard

WHMIS (Classification) Not controlled under WHMIS (Canada).

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The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

## Section 16. Other Information

Expiry date 3 (Three Years) from the date of preparation indicated in Section 1

Validated by CRushton on 5/5/2009.

Verified by CRushton.

Printed 5/5/2009.

Information Contact Amrep, Inc.  
990 Industrial Park Drive  
Marietta, GA 30062

### Notice to Reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Validated on 5/5/2009.

**Optimax High Solids**