MATERIAL SAFETY DATA SHEET

W. R. Grace & Co.
62 Whittemore Ave.
Cambridge, MA 02140

MSDS Number: D-8608
Cancels: D-190-1
Date Prepared: 6/6/86

Telephone Number for
Information and Emergency Response
(617) 876-1400
X-3140 or 3897

SECTION I - PRODUCT IDENTIFICATION

Trade Names and Synonyms: Daraset, Morset

Chemical Name and Family: Calcium Nitrite Mixture

Formula: Mixture

CAS#: Not Applicable

DOT Hazard Class/ID#/Label: DOT Non hazardous

Reportable Quantity (RQ): Not Applicable

Surface Freight Classification: Concrete Or Masonry Plasticizer & Water Reducing Compound

NPCA-HMIS Hazard Index:

- Health: 3*
- Flammability: 0
- Reactivity: 0
- Personal Protection: B

SECTION II- HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Ingredient (CAS#, Chemical & Common Names)	Percent by Weight	Exposure Limits OSHA	ACGIH	OTHER
Calcium Nitrite CAS# 13780-06-8	30%	———	None Established	———
Triethanolamine CAS# 102-71-6	1.8%	———	None Established	———
Calcium Nitrate CAS# 10124-37-5	< 5	———	None Established	———
N-Nitrosodiethanolamine CAS# 1116-54-7	TRACE	———	None Established	———

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	~226°F (108°C)	Specific Gravity (H_2O = 1)	1.28
Vapor Pressure (mm Hg.)	~15 @ 25°C	% Volatiles	60-65
Vapor Density (AIR = 1)	~ 0.023 g/L	Evaporation Rate (Butyl Acetate = 1)	10 mg/cm^2/hr
Solubility in Water	Complete	pH	9-11

Appearance and Odor: Orange Transparent Liquid, No Odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Estimated >200°F

Flammable Limits: Unknown — LEL UEL

Extinguishing Media: Not Applicable

Special Fire Fighting Procedures: Not Applicable

Unusual Fire and Explosion Hazards: If dried, this material will become an oxidizer which may provide oxygen to combustible materials. Resultant fires should be extinguished with carbon dioxide foam.

SECTION V - REACTIVITY DATA

Stable: Yes
Conditions to Avoid: Will decompose if dried and heated to >1000°F

Incompatability (Materials to Avoid): Acids, Ammonium Salts, Activated Carbon, Reducing Agents, Cyanides.

Hazardous Decomposition or Byproducts: O_2, NO_x

Hazardous Polymerization: Will not occur
Conditions to Avoid: Not Applicable