



ORRVILLE TRUCKING & GRADING CO.

READY MIX CONCRETE - BUILDING MATERIALS

475 Orr Street • P.O. Box 220 • Orrville, Ohio 44667

Plant Locations — ORRVILLE PH 330-682-4010

WOOSTER PH 330-264-3101

U.S Department of Labor

Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET



May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

IDENTITY: (As used on Label and List) – Ready Mix Concrete (unhardened)

SECTION I

MANUFACTURER'S NAME

Orrville Trucking & Grading Co.

ADDRESS

475 Orr St

Orrville, OH 44667

EMERGENCY TELEPHONE NUMBER

330-682-4010

TELEPHONE # FOR INFORMATION

330-682-4010

DATE PREPARED

May 1998

SECTION II – Hazardous Ingredients / Identity information

Formula – Mixtures of Portland or blended cements. Concrete aggregates and chemical admixtures.

Portland and blended cements:

3CaO-SiO₂ (CAS # 12168-58-3)

2CaO-SiO₂ (CAS # 10034-77-2)

3CaO-Al₂O₃ (CAS # 23402-78-3)

4CaO-Al₂O₃-Fe₂O₃ (CAS # 12068-35-8)

CaSO₂-2H₂O (CAS # 7778-18-9)

Plus traces of CaO, MgO, K₂SO₃, and Na₂SO₃.

Other Ingredients: Concrete aggregates: Inert gravel or limestone, sand and rocks

Admixtures: May include fly ash, granulated slag, and very small amounts of organic and inorganic materials, which have no effect on the hazards associated with the use of the product.

SECTION III – Physical / Chemical Characteristics

Boiling Point: N/A

Specific Gravity: (H₂O=1) 2.28-2.42

Vapor Pressure: N/A

Melting Point: N/A

Vapor Density: N/A

Evaporation Rate: (Butyl Ac. = 1) N/A

Solubility in Water: Negligible (0.01 to 1%)

Appearance and Odor: Gray, plastic, stiff to flowable, granular composite. Faint odor.

SECTION IV – Fire and Explosion Hazard Data

Flash Point: N/A **Flammable Limits:** N/A **LEL:** N/A **UEL:** N/A

Extinguishing Media: N/A **Special Firefighting Procedures:** N/A

Unusual Fire and Explosion Hazards: None

SECTION V – Reactive Data

Stability: Stable **Incompatibility (materials to avoid):** None

Hazardous Decomposition or By-Products: None

Hazardous Polymerization: Will not occur

SECTION VI – Health Hazard Data

Routes of Entry: Skin

HEALTH HAZARDS (Acute and Chronic)

Acute: Wet plastic, unhardened concrete can dry the skin and cause alkali burns

Chronic: Hypersensitive individuals may develop an allergic dermatitis. Portland cement may contain trace amounts of chromium

CARCINOGENICITY: NTP: No **IARC MONOGRAPHS:** No **OSHA REGULATED:** No

Signs and Symptoms of Exposure: Irritation of skin and burning sensation, particularly when exposure is an area of skin previously subjected to abrasion or irritation.

Medical Conditions Generally Aggravated by Exposure: Open wounds or abrasions.

Emergency and First Aid Procedures: Wash or flush infected areas promptly with plenty of clean, fresh water. Change clothing if contaminated with wet concrete. If irritation persists, seek medical attention.

SECTION VII – Precaution for Safe Handling and Use

STEPS TO BE TAKEN IN THE EVENT MATERIAL IS RELEASED OR SPILLED – Normal clean-up prior to initial set. Spill does not increase hazard.

WASTE DISPOSAL METHOD – Shovel into containers and dispose of as common waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING – Avoid contact between skin surfaces and wet concrete. Protect eyes from splatter during placement.

OTHER PRECAUTIONS – Precautions must be observed because irritation/burns occur with little warning – little heat is sensed.

SECTION VIII – Control Measures

RESPIRATORY PROTECTION: Not Required

VENTILATION: Local Exhaust: None

SPECIAL: None **MECHANICAL:** None

OTHER: N/A

PROTECTIVE GLOVES: Yes – waterproof **EYE PROTECTION:** Yes – Goggles

OTHER PROTECTIVE CLOTHING OR REQUIREMENTS: Water-proof boots, long sleeved shirt and full-length trousers should be worn.

WORK/HYGENIC PRACTICES: Avoid contact between skin/eyes and wet/moist concrete.