



## Safety Data Sheet Ultimate

Revision date: July 20, 2015

### Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Ultimate  
**Synonyms:** None  
**Chemical family:** A penetrating, chemically reactive moisture and water repellent for concrete and masonry  
**Producer:** Premiere Concrete Admixtures  
508 Cedar Street  
Pioneer, Ohio 43554  
[www.premiereadmix.com](http://www.premiereadmix.com)

**Telephone:** 419-737-9808 Available during normal business hours

**Emergency:** CHEMTREC 800-424-9300 Available 24 hours

### Section 2. HAZARDS IDENTIFICATION

#### GHS Hazard Classification and Label Elements

**Signal Word: DANGER**

- Aspiration hazard (*category 1*)
- Carcinogenicity: inhalation (*category 2*)
- Serious eye damage/ irritation (*category 2A*)
- Skin corrosion/ irritation (*category 2*)
- Flammable liquids (*category 3*)
- Specific target organ toxicity (repeated exposure) central nervous system (*category 2*)
- Acute toxicity: inhalation (*category 4*)



(Danger)

#### Hazard Statements

- H304 May be fatal if swallowed and enters airways  
H351 Suspected of causing cancer if inhaled  
H319 Causes serious eye irritation  
H315 Causes skin irritation  
H226 Flammable liquid and vapor  
H373 May cause damage to organs through prolonged or repeated exposure. (Central nervous system) (CNS))  
H332 Harmful if inhaled

## Precautionary Statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, sparks open flame, hot surfaces, no smoking.

P241 Use explosion-proof electrical lighting, wiring, ventilation, and equipment.

IF SWALLOWED, P301+P310+P331: do not induce vomiting, immediately call a poison control center.

IF IN EYES, P305+P313+P337+P338+P351: Remove contact lenses if present and easy to do so, wash cautiously with water for several minutes. If eye or skin irritation persists – get medical advice/attention, continue rinsing.

P260+P332 Harmful if inhaled. Do not breathe mist or vapor.

IF ON SKIN: P302+P303+P313+P321+P332+P353+P362+P364 take off contaminated clothing, wash skin and hair with plenty of water. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before reuse.

P264 +P332+P313 Wash skin thoroughly after handling. If skin irritation occurs, get medical advice/attention.

P280 Wear protective gloves, protective clothing, eye and face protection (see Section 8)

P405 Store locked up.

## Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Material information:** (Does not include non-GHS regulated ingredients)

Name	CAS No.	Weight %
C9 – C15 Cycloalkanes	mixture	40-70*
Isooctyl trimethoxy silane	34396-03-7	30-40*
C9 – C15 Alkanes	mixture	10-30*
C9 – C15 Aromatics	mixture	5-10*
Trimethylbenzene, all isomers	25551-13-7	1-5*
Ethyl methylbenzene, all isomers	25550-14-5	1-5*
Ethylbenzene	100-41-4	0.1-0.2*

*\*Note: The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.*

## Section 4. FIRST AID MEASURES

**Inhalation:** Move exposed persons to fresh air. If the person is not breathing or breathing is irregular, provide artificial respiration or oxygen by trained personnel. P314 Seek medical attention if you feel unwell.

**Skin contact:** Quickly remove contaminated clothing and shoes. Wash affected skin with soap and water. Wash contaminated clothing before reuse. If symptoms occur, seek medical attention.

**Ingestion:** Do not induce vomiting unless instructed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. If conscious and alert, rinse mouth with water. Aspiration hazard if swallowed, by entering the lungs and causing damage. Call a physician or poison control center immediately.

**Eye contact:** Immediately flush eyes with plenty of water. Check for and remove any contact lenses. Continue flushing eyes with tepid water lifting upper and lower lids occasionally for 15 minutes. If irritation persists, seek medical attention.

## Section 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:**

P370+P378 Use carbon dioxide, dry chemical, foam, or other agents approved for Class B fires. Do not use water jet.

**Specific hazards:**

Flammable liquid and vapor. Vapor is heavier than air and will spread along the ground.

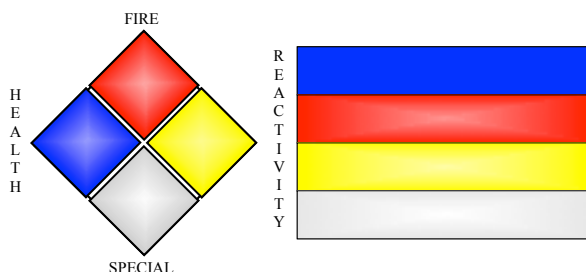
**Special protective equipment for firefighters:**

Wear self-contained breathing apparatus for firefighting if necessary.

**NFPA rating: HMIS rating:**

<b>Health:</b>	<b>1</b>	<b>1*</b>
<b>Flammability:</b>	<b>2</b>	<b>2</b>
<b>Instability/reactivity:</b>	<b>0</b>	<b>0</b>
<b>Other:</b>	<b>N/A</b>	<b>C (PPE)</b>

\*Chronic health effects



## Section 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Immediately contact emergency personnel. Evacuate any potentially affected area and isolate personnel from entry. Ensure adequate ventilation.

**Large Spill:** Personnel must have appropriate training, per Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120. Prevent material from entering drains, surface water, sanitary sewers, etc., by the use of dikes, absorbent materials and booms. Use spark-proof tools and explosion-proof equipment.

**Methods for Containment and Clean up** Avoid creating or breathing mist. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Contain the spilled material with dykes. Vacuum up spilled material or use absorbent media. Remove spilled material to storage for proper disposal.

## Section 7. HANDLING AND STORAGE

**Handling:** P240 Ground / bond the container and receiving equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge.

**Storage:** P405 Store locked up. P233 Keep container tightly closed. P235+P403 Store in a cool, dry, well-ventilated place.

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

Name	CAS No.	Exposure Limits TWA <sup>A</sup>		
		ACGIH <sup>®</sup> TLV <sup>®</sup>	Federal OSHA PELs	OSHA PELs 1989 <sup>C</sup>
C9 – C15 Cycloalkanes	mixture	400 ppm	Not Est.	Not Est.
Isooctyl trimethoxy silane	34396-03-7	200 ppm <sup>C</sup>	200 ppm <sup>C</sup>	200 ppm <sup>C</sup>
C9 – C15 Alkanes	mixture	Not Est.	Not Est.	Not Est.
C9 – C15 Aromatics	mixture	400 ppm	Not Est.	Not Est.
Trimethyl benzene, all isomers	25551-13-7	25 ppm	Not Est.	Not Est.
Ethylmethyl benzene, all isomers	25550-14-5	Not Est.	Not Est.	Not Est.
Ethylbenzene	100-41-4	100 ppm	100 ppm	100 ppm

<sup>A</sup> All exposure limits listed are 8-hour time weighted average (TWA) — except where noted otherwise.

<sup>B</sup> Federal OSHA 1989 PELs were vacated but are in use and enforced by many state OSHA plans.

<sup>C</sup> No exposure limits are available; the exposure limits are listed for methanol, an associated substance.

**Engineering measures:** Use only with adequate explosion-proof ventilation equipment. Use local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below exposure limits.

## PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection:** When engineering controls are not sufficient to reduce exposure to prevent irritation or other symptoms, seek professional advice prior to respirator selection and use. A properly fitted NIOSH/ MSHA-approved respirator is recommended.

**Skin and body protection:** Choose body protection according to the amount and concentration of liquid splash or skin contact created, as determined by a personal protective equipment (PPE) assessment.

**Eye protection:** Wear safety glasses with unperforated sideshields. Wear a face shield or splash goggles if determine by a PPE assessment.

**Hygiene measures:** Wash hands, forearms, and face before eating, drinking, smoking, using toilet facilities, or the end of the working period.

**Other precautions:** None

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear liquid
<b>Physical state (solid/liquid/gas):</b>	Liquid
<b>Substance type (pure/mixture):</b>	Mixture
<b>Color:</b>	clear
<b>Odor:</b>	Mineral spirits
<b>Molecular weight:</b>	Not available
<b>pH:</b>	None
<b>Boiling point/range (5-95%):</b>	300-390°F, 149-200°C
<b>Melting point/range:</b>	Not applicable
<b>Decomposition temperature:</b>	Not available
<b>Specific gravity:</b>	0.8
<b>Vapor density:</b>	4.8
<b>Vapor pressure:</b>	16 mm Hg @100°F
<b>Evaporation rate (Butyl acetate= 1) :</b>	<1 (estimated)
<b>Flash point, method used:</b>	105°F, 41°C (TCC)
<b>Water solubility:</b>	Slightly soluble (<5%)
<b>VOC Content:</b>	516 gm/liter (4.3 pounds/gallon)
<b>Auto-ignition temperature:</b>	Not available
<b>Flammable limits in air — lower (%):</b>	0.5%
<b>Flammable limits in air — upper (%):</b>	6%

## Section 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Stability:</b>	The material is stable and not sensitive to mechanical impact.
<b>Possibly hazardous reactions:</b>	None, under normal conditions of storage and use
<b>Conditions to avoid:</b>	Avoid all possible ignition sources (spark or flame). Do not pressure, weld, cut, braze, solder drill, grind, or expose containers to heat or ignition sources.
<b>Incompatible Materials:</b>	Strong oxidizing agents
<b>Hazardous decomposition products:</b>	Carbon monoxide, carbon dioxide (from combustion)
<b>Polymerization:</b>	Will not occur.

## Section 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:**

**Product information:**

Name	CAS No.	Aspiration Hazard:	Dermal:	Oral:
C9 – C15 Aromatics	mixture	Category 1	Rat, mild irritant 24 hours, 500 microliters	Not available
C9 – C15 Cycloalkanes	mixture	Category 1	Not available	Not available
C9 – C15 Alkanes	mixture	Category 1	Not available	Not available
Trimethyl benzene, all isomers	25551-13-7	Category 1	Rabbit, moderate irritant 24 hours, 500 milligrams	LD <sub>50</sub> (Rat): 8,970 mg/kg

**Chronic toxicity:** No data available.

**Carcinogenicity:** This product contains ethylbenzene, which is identified by the IARC as category 2B, a possible human carcinogen.

**Sensitization:** Not known to cause sensitization in humans.

## Section 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity effects:</b>	Trimethyl benzene, all isomers LC <sub>50</sub> – Palaemonetes pugio, (Crustaceans) 5,600 µg/liter – 48 hour
<b>Bioaccumulative Potential:</b>	Trimethyl benzene, all isomers Low potential C9 – C15 Aromatics 99 to 5780, High potential
<b>Persistence and degradability:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.

## Section 13. DISPOSAL CONSIDERATIONS

**Disposal considerations:** The generation of waste should be avoided or minimized whenever possible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities. Recycle unused product and packaging if possible. P501 Dispose in accordance with state/provincial, and local regulations.

## Section 14. TRANSPORT INFORMATION

**Please refer to DOT regulation 49 CFR 172.101:**

**Transport information:** This material is regulated under DOT when transported via commerce routes; and IATA and IMO via international routes.

**Hazardous Materials Description:** (DOT, IATA, and IMO):

**UN/identification no.:** UN 1268

**Proper shipping name:** UN 1268 Petroleum Distillates, n.o.s. (Naphtha Solvent), 3, PG III

**Hazard class:** 3

**Packing group:** III

**DOT reportable quantity (lbs.):** 100

**Marine Pollutant:** No

## Section 15. REGULATORY INFORMATION

**U.S. federal regulatory information:**

**State and community right-to-know regulations:**

*The following component(s) of this material are identified on the regulatory lists below:*

**U.S. TSCA Chemical inventory Section 8(b), AICS (Australia), DSL (Canada):** All components are listed or exempt.

**OSHA —** This product is determined to be hazardous as defined in the OSHA Hazard Communications Standard.

**CERCLA** Sections 102a/103 (40 FR 302.4):

This product is not classified as hazardous or reportable under this requirement.

Some Components of this product are listed in the following sections of **SARA**:

SARA Title III Section 302 — Not applicable

SARA Title III Section 304 — Not applicable

SARA Title III Section 313 — Reportable ingredients:

<b>Components</b>	<b>CAS Number</b>	<b>Maximum %</b>
1, 2, 4-trimethyl benzene	95-63-6	3%

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21)

Acute health hazard:	Yes
Chronic health hazard:	Yes
Fire hazard:	No
Reactive Hazard:	No
Pressure Hazard:	No

**Clean Water Act 311:** Ethylbenzene, This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

**State Regulations:**

Massachusetts: The following components are listed: STODDARD SOLVENT

New York: The following components are listed: trimethyl benzene

New Jersey: The following components are listed: STODDARD SOLVENT

Pennsylvania: The following components are listed: STODDARD SOLVENT

**California Proposition 65 Components:**

This product contains chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

<b>Ingredient Name/Concentration</b>	<b>CAS Number</b>	<b>Cancer</b>	<b>Reproductive</b>
Ethyl benzene / 0.2 percent	100-41-4	Yes	No

**INTERNATIONAL REGULATIONS**

**Identification According to EEC Directives:** Not available

***NOTE:** User must consult with applicable state and local agencies for special specifics, determinations or compliance obligations regarding this product.*

**Section 16. OTHER INFORMATION**

The information and recommendations contained herein are based upon tests, data, and information resources believed to be reliable. However, **Premiere Concrete Admixtures (Premiere)** does not guarantee the accuracy or completeness, nor shall any of this information constitute a warranty, representation, or license of any kind, whether

**expressed or implied, as to the safety of goods, the merchantability of the goods or the fitness of the goods for a particular purpose. Premiere assumes no responsibility for injuries proximately caused by use of the Materials if reasonable safety procedures are not followed as stipulated in this Safety Data Sheet. Additionally, Premiere assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. The buyer assumes the risk in its use of the Material.**