



ARCHITECTURAL CONCRETE CHEMICALS

SAFETY DATA SHEET

Revision Date: 12 September 2014

1. IDENTIFICATION OF THE PRODUCT AND MANUFACTURER

Altus Series VOC In-form Retarders

Arcal Chemicals, Inc.

223 Westhampton Avenue
Capitol Heights, MD 20743

Telephone: 301-336-9300

Fax: 301-336-6597

Emergency: Chem Trec 800-424-9300

2. HAZARDS IDENTIFICATION

Altus VOC Retarders are pasty liquids that contain a flammable solvent. Their flash point is 40 F and they can burn if set afire; the dried film will not burn easily. The vapor is heavier than air and can drift to low points in the area. Empty containers may still contain hazardous residue or vapor.

Eye contact will cause irritation. Prolonged skin contact can cause irritation by removing natural skin oils. Inhalation of the vapors may cause headache or dizziness. Ingestion is highly unlikely.

They do not contain known carcinogens.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

<i>Hazardous Component</i>	<i>CAS #</i>	<i>Conc.</i>	<i>OSHA PEL</i>	<i>ACGIH TWA</i>
t-Butyl Acetate	540-88-5	30%	200 ppm	200 ppm

4. FIRST AID MEASURES

Eye contact: Flush with clean water for 15 minutes or until irritation subsides. If irritation persists, seek medical advice.

Inhalation: Move the exposed person to fresh air. Administer oxygen or begin resuscitation if necessary.

Skin contact: Remove contaminated clothing and use a mild solvent like mineral spirits to clean skin, then wash with soap and water,

Ingestion: In case of this unlikely event, do not induce vomiting (to avoid getting material into the lungs) and obtain medical help immediately.

5. FIRE-FIGHTING MEASURES

NFPA FIRE HAZARDS:	HEALTH	FLAMMABILITY	REACTIVITY
	1 (slight)	3 (high)	0 (insignificant)

Prevent vapor concentrations and avoid flash fires by use of adequate ventilation.

In case of fire, use water spray, foam or dry chemical to control small fires. Avoid boil over by not spraying water directly into containers. Burning material will produce carbon oxides (monoxide and dioxide).

Protect personnel from heat, flame and vapors which may travel.

6. ACCIDENTAL RELEASE MEASURES

In case Altus VOC Retarder is spilled, treat with absorbent material like vermiculite, kitty litter or sand, scoop up and dispose with hazardous waste. Keep away from all sources of ignition, heat or flame while the waste still contains solvent.

7. HANDLING AND STORAGE

Store Altus VOC Retarders in a cool dry place where rain will not collect on pails and where heat from equipment or the sun will not expose the product to temperature extremes.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Where ventilation is insufficient to insure low personal exposure, see Section 3 for Permissible Exposure Limit (PEL) and Time Weighted Average (TWA) and use appropriate monitoring equipment. The odor threshold for t-butyl acetate may be as low as 8 parts per billion.

Splash-proof safety goggles and chemically resistant gloves (without tears, pinholes or other signs of wear) are highly recommended to protect personnel.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Paint-like liquid; color varies with etch grade

Odor: Minty solvent

Density: 9-10 pounds per gallon

Boiling point: 200F - 220F

Volatile Organic Content (VOC): < 10 g/L

Solubility in water: < 1%

Flash point: 40 F estimated

10. STABILITY AND REACTIVITY

Altus VOC Retarders are not subject to runaway polymerization. Avoid contact with strong oxidizing agents like nitric acid, and with any strong acids, which can generate foam. The major hazard is flammability, so store material away from sources of ignition and do not allow fire or flame near the liquid product.

11. TOXICOLOGICAL INFORMATION

The primary irritant effect of Altus VOC Retarders is by way of the solvents on the eye and on the skin. The individual ingredients are diluted and contained in a semisolid film when the product is dried, and the complete product has not been tested.

12. ECOLOGICAL INFORMATION

Do not allow liquid product to reach ground water, water course or sewer. Although the product is insoluble in water, odor and taste of the water can be affected.

13. DISPOSAL CONSIDERATIONS

Waste product is hazardous (US EPA: due to ignitability). Do not dispose with residential garbage or allow product to reach ground water or sewer.

14. TRANSPORT INFORMATION

Hazard Class 3 (Flammable Liquids); UN 1993; Packing Group II
Proper Shipping Name: Flammable Liquid, n.o.s. (contains t-butyl acetate)

15. REGULATIONS

TSCA: All ingredients are listed.

16. OTHER INFORMATION

None available.