

# MATERIAL SAFETY DATA SHEET



**Date Issued: 10/18/2010**  
**MSDS No: 2010.536**  
**Date Revised: 10/19/2010**  
**Revision No: 1**

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT CODE:** PSX1050  
**PRODUCT FORMULATION NAME:** Aldehyde Methoxysilane  
**CHEMICAL FAMILY:** Aldehyde

### MANUFACTURER

UCT Specialties, Inc.  
 2731 Bartram Road  
 Bristol, PA 19007

**Emergency Contact:** Jon Telepchak  
**E-Mail:** jtelepchak@unitedchem.com  
**Product Stewardship:** 215-781-9255 ex141  
**Service Number:** 717-247-0896

### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) : 1-800-424-9300 or 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### HAZARD DESIGNATION

"O" - Oxidizing  
 "F" - Highly flammable  
 "Xi" - Irritant  
 "C" - Corrosive

### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Colorless liquid

### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye irritation.  
**SKIN:** Can cause skin irritation  
**INGESTION:** No information available -Avoid contact  
**INHALATION:** No information available. Avoid inhalation

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%
PSX1050	100

## 4. FIRST AID MEASURES

**EYES:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention if irritation develops or persists

**SKIN:** Immediately flush skin with plenty of water and wash skin with soap for at least 15 minutes. If irritation persists get immediate medical attention.

**INGESTION:** Not considered a route of entry

**INHALATION:** Remove to fresh air. If irritation continues get immediate medical attention.

**COMMENTS:** If symptoms persist, get medical attention

Never give anything by mouth to an unconscious person

## 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** Vapors can flow along surfaces to distant ignition source and flash back

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, foam, dry chemical, water spray or fog

**EXPLOSION HAZARDS:** container explosion may occur under fire conditions

**FIRE FIGHTING EQUIPMENT:** Fire Fighters must wear positive- pressured, self-contained breathing apparatus and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb the spill with inert material. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

**LARGE SPILL:** Evacuate area keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (eg dry sand and earth), then place in the chemical waste container

**GENERAL PROCEDURES:** Absorb spilled material with suitable chemical binder. Shovel absorbent into suitable waste container

**SPECIAL PROTECTIVE EQUIPMENT:** Wear appropriate personal protective equipment as specified in section 8.

## 7. HANDLING AND STORAGE

**HANDLING:** Keep in a tightly closed container, store in a cool dry, ventilated area

**STORAGE:** Keep away from heat, sparks and flames. Keep under a nitrogen blanket

**STORAGE TEMPERATURE:** 0°C (32°F) Minimum to 35°C (95°F) Maximum

**SHELF LIFE:** 3 months @ 0

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** If user operations generate fumes, or mist, use ventilation to keep exposure to airborne contaminants minimal

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Use Chemical goggles.

**SKIN:** Wear protective gloves to minimize skin contamination. Wash hands thoroughly after handling

**RESPIRATORY:** Use a NIOSH approved organic vapor respirator when exposed to vapors from heated material.

**WORK HYGIENIC PRACTICES:** General industrial hygiene practice.

**COMMENTS:** To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29 CFR 1910.132) be conducted before using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Characteristic

**COLOR:** Colorless

**PERCENT VOLATILE:** 100 at 25°C

**SOLUBILITY IN WATER:** Reacts

**MOLECULAR WEIGHT:** 192.29

## 10. STABILITY AND REACTIVITY

**STABILITY:** This compound is stable at ambient conditions under blanket of nitrogen

**POLYMERIZATION:** Hazardous polymerization will not occur

**CONDITIONS TO AVOID:** Acides, Water, Bases and Oxidizing Agents

## 11. TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

**IARC:** No

**NTP:** No

**OSHA:** No

**COMMENTS:** No toxicity information available

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No information available

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Incineration is recommended . Treat or dispose of waste material in accordance with all local, state/provincial and national requirements.

**EMPTY CONTAINER:** Containers of this material may be hazardous when empty since they retain product residues(liquid); observe all warnings and precautions listed for this product.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Butyraldehyde

**TECHNICAL NAME:** PSX1050

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** UN1129

**PACKING GROUP:** II

**LABEL:** Flammable liquid

## 15. REGULATORY INFORMATION

### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Flammable Liquid

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** This product is not listed on the TSCA Inventory.

### CANADA

**WHMIS HAZARD SYMBOL AND CLASSIFICATION**

Flammable Liquid



Oxidizing



Corrosive



Dangerously reactive materials

Class B- Flammable and combustible material, Class C- Oxidizing material, Class E- Corrosive material, Class F- Dangerously reactive

**EUROPEAN COMMUNITY****EEC LABEL SYMBOL AND CLASSIFICATION**

"O" - Oxidizing



"F" - Highly flammable



"Xi" - Irritant



"C" - Corrosive

**R-Phrases:**

R11- Highly Flammable

R36/37/38- irritating to eyes, respiratory system and skin

**S-Phrases:**

S35- This material and its container must be disposed of in a safe way.

**16. OTHER INFORMATION**

**APPROVED BY:** Office of Environmental Health Safety & Security

**TITLE:** Dir. of Env. Health Safety &

Security

**PREPARED BY:** jnm

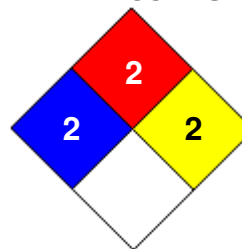
**INFORMATION CONTACT:** jtelepchak@unitedchem.com

**REVISION SUMMARY:** Revision #: 1. This MSDS replaces the October 19, 2010 MSDS.

#### HMIS RATING

<b>HEALTH:</b>	<b>2</b>
<b>FLAMMABILITY:</b>	<b>2</b>
<b>PHYSICAL HAZARD:</b>	<b>2</b>
<b>PERSONAL PROTECTION:</b>	<b>B</b>

#### NFPA CODES



**MANUFACTURER SUPPLEMENTAL NOTES:** All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

**MANUFACTURER DISCLAIMER:** The data in this Material Safety Data Sheet relates only to the specific material designated herein.

It does not relate to use in combination with any other material or in any process.

THE INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS MATERIAL SAFETY DATA SHEET HAVE BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST OPINION ON THE SUBJECT AS OF THE DATE ON THIS SHEET. HOWEVER, NO WARRANTY, GUARANTEE OR REPRESENTATION, EXPRESS OR IMPLIED, IS MADE BY UCT, INC. AS TO THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION OR TO THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.