# SAFETY DATA SHEET

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MSDS Number: 000000214734
HT-7780 Universal Zero VOC Reducer Medium 16013227 Version: 1.2

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**MANUFACTURED FOR:**
High Teck Quality Products

**ADDRESS:**
West Palm Beach, FL 33413

**EMERGENCY PHONE :** (800) 424-9300
**INFORMATION PHONE :** (877) 900-8325
Coordinator

**DATE PRINTED :** 9/4/2013
**PREPARER NAME :** MSDS

**Product name** UNIVERSAL ZERO VOC REDUCER MEDIUM
**Product code** 7780
**Product Use Description** No data

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

Appearance: liquid, Water-clear

DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY BE HARMFUL IF INHALED. MAY BE HARMFUL IF SWALLOWED. THIS MATERIAL (OR A COMPONENT) IS AN ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. MAY CAUSE EYE IRRITATION. CAUSES SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE DERMATITIS AND BURNS.

**Potential Health Effects**

**Exposure routes**

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

**Eye contact**

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

**Skin contact**

May cause mild skin irritation. Symptoms may include redness and burning of skin. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

**Ingestion**

Swallowing this material may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

**Inhalation**

Breathing of vapor or mist is possible. Breathing this material may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.). It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring).

**Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:, Skin, lung (for example, asthma-like conditions), blood-forming system

**Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose,

throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, coma

**Target Organs**

This material (or a component) shortens the time of onset or worsens the liver and kidney damage induced by other chemicals., Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals:, blood abnormalities, kidney damage, liver damage

**Carcinogenicity**

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

**Reproductive hazard**

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Components | CAS-No. / trade secret no. | Concentration |
|---|---|---|
| Acetone | 67-64-1 | 70 - 80% |
| p-Trifluoromethylphenyl chloride | 98-56-6 | 20 - 30% |

## 4. FIRST AID MEASURES

**Eyes**

If symptoms develop, immediately move individual away from exposure and into fresh air.
Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

**Skin**

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

**Ingestion**

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**Inhalation**

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

**Notes to physician**

**Hazards:** This material (or a component) has produced hyperglycemia and ketosis following substantial ingestion. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

**Treatment:** No information available.

## 5. FIREFIGHTING MEASURES

**Suitable extinguishing media**

Dry chemical, Carbon dioxide (CO2), Water spray

**Hazardous combustion products**

carbon dioxide and carbon monoxide, chlorine compounds, fluoride compounds, Hydrocarbons

**Precautions for fire-fighting**

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

**NFPA Flammable and Combustible Liquids Classification**

Flammable Liquid Class IB

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Ensure adequate ventilation. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

**Environmental precautions**

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

**Methods for cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**Other information**

Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapors/mists with a water spray jet.

## 7. HANDLING AND STORAGE

**Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and
grounding during product transfer as described in National Fire Protection Association document NFPA 77.

**Storage**

Store in a cool, dry, ventilated area, away from incompatible substances.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| | | |
|---|---|---|
| Acetone | 67-64-1 | |
| ACGIH | 8-hour, time-weighted average | 500 ppm |
| ACGIH | Short-term exposure limit | 750 ppm |
| NIOSH | Time-weighted average | 250 ppm concentration for up to a 10-hour work |

| | | |
|---|---|---|
| | | day during a 40-hour work week |
| NIOSH | Time-weighted average | 590 mg/m3 concentration for up to a 10-hour Work day during a 40-hour work week |
| OSHA | 8-hour time weighted average | 1,000 ppm |
| OSHA | 8-hour time weighted average | 2,400 mg/m3 |
| OSHA | 8-hour time weighted average | 750 ppm |
| OSHA | 8-hour time weighted average | 1,800 mg/m3 |
| OSHA | Short-term exposure limit | 1,000 ppm |
| OSHA | Short-term exposure limit | 2,400 mg/m3 |

**General advice**

**Exposure controls**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**Eye protection**

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

**Skin and body protection**

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Wear resistant gloves (consult your safety equipment supplier).

**Respiratory protection**

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Physical state | liquid |
| Form | liquid |
| Color | Water-clear |
| Boiling point/boiling range | 132.89 °F / 56.05 °C @ 1,013.25 hPa Calculated Phase Transition Liquid/Gas |
| Flash point | (>=)-4 °F / -20 °C |
| Lower explosion limit/Upper explosion limit | 0.9 %(V) / 12.8 %(V) Calculated Explosive Limit |
| Vapor pressure | 231.000 mmHg @ 77 °F / 25 °C Calculated Vapor Pressure |
| Density | 0.868 g/cm3<br>7.23 lb/gal @ 68 °F / 20 °C |

## 10. STABILITY AND REACTIVITY

**Stability**

Stable.

**Conditions to avoid**
Heat, flames and sparks. temperature extremes
**Incompatible products**
Acids, alkalis, Amines, Ammonia, halogens, peroxides, Reducing agents, strong bases, Strong oxidizing agents
**Hazardous decomposition products**
carbon dioxide and carbon monoxide, chlorine compounds, fluoride compounds, Hydrocarbons
**Hazardous reactions**
Product will not undergo hazardous polymerization.

## 11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity**

| | |
|---|---|
| Acute oral toxicity - Product | : no data available |

**Acute oral toxicity - Components**

| | |
|---|---|
| Acetone | : LD50: 5,800 mg/kg Species: rat Symptoms: tremors |
| p-Trifluoromethylphenyl chloride | : LD50: 13,000 mg/kg Species: rat |

**Acute inhalation toxicity**

| | |
|---|---|
| Acute inhalation toxicity - | : no data available Product |

**Acute inhalation toxicity - Components**

| | |
|---|---|
| Acetone | : LC50: 16,000 mg/l Exposure time: 4 h Species: rat |
| p-Trifluoromethylphenyl chloride | : LC50: 33 mg/l Exposure time: 4 h Species: rat |

**Acute dermal toxicity**

| | |
|---|---|
| Acute dermal toxicity - Product | : no data available |

**Acute dermal toxicity - Components**

| | |
|---|---|
| Acetone | : LD50: 7,426 mg/kg Species: guinea pig |

**Acute toxicity (other routes of administration)**

| | |
|---|---|
| Acute toxicity (other routes of administration) | : no data available |

## 12. ECOLOGICAL INFORMATION

**Biodegradability**

| | |
|---|---|
| Biodegradability - Product | : no data available |

**Biodegradability - Components**

| | |
|---|---|
| Acetone | : Remarks: Readily biodegradable |
| p-Trifluoromethylphenylchloride | : anaerobic 64 % |

**Bioaccumulation**

| | |
|---|---|
| Bioaccumulation - Product | : no data available |

**Ecotoxicity effects**
**Toxicity to fish**

| | |
|---|---|
| Toxicity to fish - Product | : no data available |

**Toxicity to fish - Components**

| | |
|---|---|
| Acetone | : LC50: 6,100 mg/l<br>Exposure time: 48 h<br>Species: Oncorhynchus mykiss (rainbow trout) |
| p-Trifluoromethylphenyl chloride | : LC50: 5.6 mg/l<br>Exposure time: 96 h |

**Toxicity to daphnia and other aquatic invertebrates**

Toxicity to daphnia and other aquatic invertebrates – Product : no data available

**Toxicity to daphnia and other aquatic invertebrates – Components**

Acetone : EC50: 7,630 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Test substance: Acetone

p-Trifluoromethylphenyl chloride :Remarks: no data available

**Toxicity to algae**

Toxicity to algae - Product : no data available

**Toxicity to algae - Components**

Acetone : Remarks: no data available

p-Trifluoromethylphenyl chloride : Remarks: no data available

**Toxicity to bacteria**

Toxicity to bacteria - Product : no data available

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**REGULATION**

| ID NUMBER | PROPER SHIPPING NAME | *HAZARD CLASS | SUBSIDIARY HAZARDS | PACKING GROUP | MARINE POLLUTANT / LTD. QTY. |
|---|---|---|---|---|---|
| **U.S. DOT - ROAD** | | | | | |
| UN | 1263 PAINT RELATED MATERIAL | 3 | | II | |
| **U.S. DOT - RAIL** | | | | | |
| UN | 1263 PAINT RELATED MATERIAL | 3 | | II | |
| **U.S. DOT - INLAND WATERWAYS** | | | | | |
| UN | 1263 PAINT RELATED MATERIAL | 3 | | II | |
| **TRANSPORT CANADA - ROAD** | | | | | |
| UN | 1263 PAINT RELATED MATERIAL | 3 | | II | |
| **TRANSPORT CANADA - RAIL** | | | | | |
| UN | 1263 PAINT RELATED MATERIAL | 3 | | II | |
| **TRANSPORT CANADA - INLAND WATERWAYS** | | | | | |
| UN | 1263 PAINT RELATED MATERIAL | 3 | | II | |
| **INTERNATIONAL MARITIME DANGEROUS GOODS** | | | | | |
| UN | 1263 PAINT RELATED MATERIAL | 3 | | II | |
| **INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO** | | | | | |
| UN | 1263 PAINT RELATED MATERIAL | 3 | | II | |

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

| | | | |
|---|---|---|---|
| UN | 1263 PAINT RELATED MATERIAL | 3 | II |

**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

| | | | |
|---|---|---|---|
| UN | 1263 PRODUCTOS PARA PINTURA | 3 | II |

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

## 15. REGULATORY INFORMATION

**California Prop. 65**

WARNING! This product contains a chemical known to the State of California to cause cancer.
Benzene

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Benzene

**SARA Hazard Classification**

**SARA 311/312 Classification**

Fire Hazard
Acute Health Hazard

**SARA 313 Component(s)**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**New Jersey RTK Label Information**

| | |
|---|---|
| p-Trifluoromethylphenyl chloride | 98-56-6 |
| Acetone | 67-64-1 |
| Benzene | 71-43-2 |

**Pennsylvania RTK Label Information**

| | |
|---|---|
| Acetone | 67-64-1 |
| p-Trifluoromethylphenyl chloride | 98-56-6 |
| Benzene | 71-43-2 |

**Notification status**

| | |
|---|---|
| US. Toxic Substances Control Act | y (positive listing) |
| Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133) | y (positive listing) |
| Australia. Industrial Chemical (Notification and Assessment) Act | y (positive listing) |
| New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand | y (positive listing) |
| Japan. Kashin-Hou Law List | y (positive listing) |
| Korea. Toxic Chemical Control Law (TCCL) List | y (positive listing) |
| Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act | y (positive listing) |
| China. Inventory of Existing Chemical Substances | y (positive listing) |

**Reportable quantity - Product**

| | |
|---|---|
| US. EPA CERCLA Hazardous Substances (40 CFR 302) | 6383 lbs. |

**Reportable quantity-Components**

| | | |
|---|---|---|
| Acetone | 67-64-1 | 5000 lbs. |

| | HMIS | NFPA |
|---|---|---|
| Health | 2 | 2 |
| Flammability | 3 | 3 |
| Physical hazards | 0 | |
| Instability | | 0 |
| Specific Hazard | -- | -- |

## 16. OTHER INFORMATION

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.