



**halton chemical inc.**  
QUALITY BLENDERS SINCE 1962

- lacquers & related wood coatings
- solvent based & water based products
- adhesives
- coatings
- cleaners
- degreasers
- thinners
- reducers
- epoxies
- polyurethanes
- toll manufacturing
- product development
- product enhancement
- quality control
- warehousing & logistics

**SECTION 1 – PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION**

**Manufacturer:**..... HALTON CHEMICAL INC.  
840 APPLEBY LINE, BURLINGTON, ON L7L 2Y7  
www.haltonchemical.com

**Phone:**..... 905-637-3613

**Supplier:** ..... SCREENTEC CORPORATION  
930 WESTPORT CRESCENT, MISSISSAUGA, ON L5T 1G1  
www.screentec.ca

**Phone:**..... 905-670-7042

**Emergency Phone:** ..... CANUTEC (24H) 1-613-996-6666

**Poison Control:**..... 800-268-9017

**Revision Date:**..... August 22, 2016

**Print Date:**..... August 22, 2016

**Version Number:**..... 1

**Product:**..... T4367 50/50 BLEND

**Product Use:** ..... INDUSTRIAL SOLVENT  
FOR INDUSTRIAL USE ONLY

**SECTION 2 – HAZARDS IDENTIFICATION**

**Emergency Overview**

**Target Organs:**

Kidney, liver, reproductive, central nervous system, eyes, skin

**WHMIS Classification:**

B2 - FLAMMABLE LIQUID  
D2B - TOXIC (EYE AND SKIN IRRITANT)  
D2A - VERY TOXIC

**GHS Classification:**

Flammable Liquids (Cat. 2)  
Skin Irritation (Cat. 2)  
Eye Irritation (Cat. 2A)  
Carcinogenicity (Cat. 2)

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Reproductive Toxicity (Cat. 2)  
Specific Target Organ Toxicity- Single Exposure (Cat. 3) - Central Nervous System, Respiratory Irritation  
Aspiration Hazard (Cat. 1)

### GHS Label Elements, including precautionary statements:

#### Pictogram:



Signal Word:..... **Danger**

#### Hazard Statement(s):

H225: Highly flammable liquid and vapour  
H315: Causes skin irritation  
H319: Causes serious eye irritation  
H351: Suspected of causing cancer  
H361: Suspected of damaging fertility or the unborn child  
H336: May cause drowsiness or dizziness  
H335: May cause respiratory irritation  
H304: May be fatal if swallowed and enters airways

#### Precautionary Statement(s):

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P233: Keep container tightly closed  
P240: Ground/bond container and receiving equipment  
P241: Use explosion-proof electrical/ventilating/lighting/equipment  
P242: Use only non-sparking tools  
P243: Take precautionary measures against static discharge  
P264: Wash skin thoroughly after handling  
P202: Do not handle until all safety precautions have been read and understood  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray  
P271: Use only in a well-ventilated area  
P370+378: In case of fire: Use foam, water fog, dry chemical and/or carbon dioxide for extinction  
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P332+313: If skin irritation occurs: Get medical advice/attention  
P362+364: Take off contaminated clothing and wash it before reuse  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P337+313: If eye irritation persists get medical advice/attention  
P308+313: IF exposed or concerned: Get medical advice/attention  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P312: Call a POISON CENTER or doctor/physician if you feel unwell  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P331: Do NOT induce vomiting  
P403+235: Store in a well ventilated place. Keep cool  
P405: Store locked up  
P501: Dispose of contents/container to comply with local, provincial, state, and federal regulations.

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### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	%
Acetone	67-64-1	49.00
Xylene	1330-20-7	43.35
Ethyl Benzene	100-41-4	7.65

Refer to Section 8 for Occupational Exposure Guidelines.

### SECTION 4 – FIRST-AID MEASURES

#### Inhalation:

This product is (extremely) flammable. Take proper precautions (e.g. remove any sources of ignition). If breathing is stopped, trained personnel should begin artificial respiration (AR) or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). Avoid mouth-to-mouth contact by using mouth guard or shields. Quickly transport victim to an emergency care facility.

#### Ingestion:

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. Do not induce vomiting. Have victim drink 60 to 240ml (2 to 8 oz.) of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Have victim rinse mouth with water again. Quickly transport victim to an emergency care facility.

#### Eyes:

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, do not delay irrigation or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.

#### Skin:

Remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). Flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, repeat flushing. Obtain medical advice. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

#### Note to Physician:

Treatment based on sound judgement of physician and individual reactions of patient.

### SECTION 5 – FIRE-FIGHTING MEASURES

#### Extinguishing Media:

Foam, water fog, dry chemical, carbon dioxide.

#### Special Fire Fighting Procedures:

Use water spray to cool fire-exposed containers or structures.

#### Unusual Fire and Explosion Hazards:

Vapours from this product are heavier than air and may travel to a source of ignition and flash back causing explosion and fire. Never use welding or cutting torch on, or near drum (even empty) as product (even residue) can ignite explosively. All containers, including pails, drums, tank cars & trucks should be grounded and/or bonded when material is transferred.

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### **Hazardous Combustion Products:**

Carbon monoxide and/or carbon dioxide.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions:**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations.

### **Environmental Precautions:**

Prevent further leakage or spillage if safe to do so. Dyke and contain spills. Do not let product enter drains.

### **Methods and Materials for Containment and Clean Up:**

Contain and/or dyke spills. Absorb with inert material, place in a suitable container. Report and dispose of according to local regulations.

## **SECTION 7 – HANDLING AND STORAGE**

### **Storage:**

Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage and evaporation.

### **Handling:**

Use in a well ventilated area. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof tools, equipment, and ventilation system. Keep away from sources of ignition. Take measures to prevent the build-up of electrostatic charge. Always ground and bond containers.

## **SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Threshold Limit Value:**..... 150 ppm ACGIH STEL est. (Xylene)

### **Engineering Controls:**

Use local, mechanical, explosion proof exhaust and/or ventilation system to avoid exposure and vapour accumulation.

### **Personal Protective Equipment:**

#### **Respiratory Protection:**

Where risk assessment shows air-purifying respirators are appropriate, use an approved respirator for the concentration and type of hazardous materials in the workplace. Use respirators and components tested and approved under the appropriate government standards. Use respirators as backup to engineering controls if necessary.

#### **Hand Protection:**

Handle with gloves to minimize skin contact. Inspect gloves prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash hands thoroughly.

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### Eye Protection:

Safety glasses and/or face shield. Use equipment for eye protection tested and approved under the appropriate government standards.

### Protective Clothing:

Impervious clothing, flame retardant, antistatic protective clothing. The type of protective equipment should be selected according to the concentration and amount of hazardous materials at each specific workplace.

### Additional Measures:

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.

## SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

**Physical State:** ..... Liquid  
**Appearance/Odour:** ..... Clear, colourless with solvent odour  
**Odour Threshold:** ..... Not available  
**Vapour Density (AIR=1):** ..... Heavier than air  
**Boiling Point:** ..... 56°C est. (Acetone)  
**Melting/Freezing Point:** ..... Not available  
**Vapour Pressure:** ..... Not available  
**Evaporation Rate:** ..... Not available  
**Specific Gravity:** ..... 0.81-0.85 @ 20°C  
**Solubility in Water:** ..... Not available  
**Solids:** ..... Not available  
**Coeff. Water/Oil Dist.:** ..... Not available

**Flashpoint:** ..... -16.99°C T.C.C. est. (Acetone)  
**Autoignition Temp:** ..... 464-465°C est.  
**Upper Flammable Limit:** ..... 13% est. (Acetone)  
**Lower Flammable Limit:** ..... 1.1% est. (Xylene)

## SECTION 10 – STABILITY AND REACTIVITY

### Stability:

Stable.

### Hazardous Decomposition Products:

Carbon monoxide and/or carbon dioxide.

### Materials to Avoid:

Strong oxidizing agents. Strong acids and bases, reducing agents. Acetone can react violently with phosphorous oxychloride.

### Hazardous Reactions:

No data.

### Conditions to Avoid:

Heat, flames and sparks.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

HAZARDOUS INGREDIENT	LD50	LC50	HRS
Acetone	5800 mg/kg	30000 ppm	4
Xylene	3523 mg/kg	5000 ppm	4
Ethyl Benzene	3500 mg/kg	4000 ppm	-

**Skin corrosion/irritation:**

Classified as a skin irritant.

**Serious eye damage/irritation:**

Classified as an eye irritant.

**Respiratory or skin sensitization:**

Not classified as a sensitization hazard.

**Germ cell mutagenicity:**

Not expected to be mutagenic in humans.

**Carcinogenicity:**

IARC has classified Ethyl Benzene as a possible human carcinogen, Group 2B.

**Reproductive toxicity:**

Excessive exposure during pregnancy may be hazardous to the developing fetus. May cause fetotoxic effects both in the presence and absence of maternal toxicity, based on animal studies.

**Teratogenicity:**

May cause fetotoxic and/or embryotoxic effects at levels which are not maternally toxic.

**Specific target organ toxicity (single exposure):**

May cause central nervous system depression. May cause respiratory system irritation.

**Specific target organ toxicity (repeated exposure):**

Not classified as a repeat exposure hazard.

**Aspiration hazard:**

Classified as an aspiration hazard.

**Potential Health Effects:**

**Inhalation:**

Excessive inhalation of vapours can cause nasal and respiratory irritation. Prolonged exposure to high vapour concentration can lead to central nervous system depression. signs of this include headache, nausea, dizziness, blurred vision and incoordination.

**Ingestion:**

Causes irritation, a burning sensation of the mouth, throat and abdominal pain. May cause central nervous system (cns) depression, dizziness, headache, diarrhea, nausea and vomiting. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

**Skin:**

Prolonged or repeated contact can cause irritation, defatting, dermatitis. May be absorbed.

**Eyes:**

Irritating. May cause tearing, reddening and/or swelling. Can cause a burning sensation.

**Signs and Symptoms of Exposure:**

Can cause central nervous system effects, including dizziness, weakness, fatigue, nausea, headache, blurred vision and possible unconsciousness.

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**Synergistic effects:**

Not available.

**Additional information:**

Blood platelet count may be reduced upon exposure to xylene which is reversible when exposure is stopped. Effects on skin and eyes may be delayed, damage may occur without onset of pain.

### SECTION 12 – ECOLOGICAL INFORMATION

**Environmental Fate and Distribution:**

Prevent from entering drains, sewers, streams or other bodies of water. If runoff occurs, notify authorities as required.

**Aquaticity:**

LC50 (Pimephales Promelas) 13.4 mg/L, 96H, flow-through est. (Xylene)

LC50 (Oncorhynchus Mykiss) 2.661-4.093 mg/L, 96H, static est. (Xylene)

**Persistence and degradability:**

No data.

**Bioaccumulative potential:**

No significant bioaccumulation anticipated.

**Mobility in soil:**

No data.

**Other adverse effects:**

Toxic to aquatic life with potentially long lasting effects.

### SECTION 13 –DISPOSAL CONSIDERATIONS

**Waste disposal:**

Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose of in accordance with all applicable regulations.

**Contaminated Packaging:**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers may retain product residue, follow any label warnings even after container is emptied.

### SECTION 14 – TRANSPORTATION INFORMATION

**TDG Classification (Ground Only):** .....CLASS 3 UN1993 II

**Proper Shipping Name (Ground Only):** .....FLAMMABLE LIQUIDS, N.O.S. (ACETONE)

*A scientific determination was concluded based on formulation ingredients on August 22, 2016 to define the Transportation of Dangerous Goods Classifications.*

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### SECTION 15 - REGULATIONS

This material is included on the DLS (Canadian Domestic Substance List) under the CEPA (Canadian Environmental Protection Act).

This material has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

This material meets TSCA (Toxic Substances Control Act) inventory requirements.

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

### SECTION 16 – OTHER INFORMATION

#### LEGEND TO ABBREVIATIONS:

CAS: ..... CHEMICAL ABSTRACT SERVICES  
IARC: ..... INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
LC: ..... LETHAL CONCENTRATION  
LD: ..... LETHAL DOSE  
TDG: ..... TRANSPORTATION OF DANGEROUS GOODS  
TWA: ..... TIME WEIGHTED AVERAGE  
VOC: ..... VOLATILE ORGANIC COMPOUND

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