



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:..... June 16, 2016

Print Date:..... June 17, 2016

Version Number:..... 1

Product: T5191 WASH SCREEN

Product Use: INDUSTRIAL SOLVENT
FOR INDUSTRIAL USE ONLY

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

Target Organs:

Kidney, liver, reproductive, central nervous system

WHMIS Classification:

B2 - FLAMMABLE LIQUID

D2B - TOXIC (EYE AND SKIN IRRITANT)

GHS Classification:

Flammable Liquids (Cat. 2)

Skin Irritation (Cat. 2)

Eye Irritation (Cat. 2A)

Reproductive Toxicity (Cat. 2)

Specific Target Organ Toxicity- Single Exposure (Cat. 3) - Central Nervous System

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Specific Target Organ Toxicity - Repeated Exposure (Cat. 2)
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
H361: Suspected of damaging fertility or the unborn child
H336: May cause drowsiness or dizziness
H373: May cause damage to organs through prolonged or repeated exposure
H304: May be fatal if swallowed and enters airways

Precautionary Statement(s):

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P403+233: Store in a well ventilated place. 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
P280: Wear protective gloves/protective clothing/eye protection/face protection
P264: Wash skin thoroughly after handling
P202: Do not handle until all safety precautions have been read and understood
P260: Do not breathe dust/fume/gas/mist/vapours/spray
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
P302+352: IF ON SKIN: Wash with soap and water
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
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331: Do NOT induce vomiting
P308+313: IF exposed or concerned: Get medical advice/attention
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	18.00
1-methoxy-2-propanol	107-98-2	8.91
Isopropanol	67-63-0	18.00
Toluene	108-88-3	55.00

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:

Aspiration of liquid into lungs may produce chemical pneumonitis.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media:

Carbon dioxide, alcohol foam, water fog, dry chemical.

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 cans, 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:..... 750 ppm STEV Canada Ontario OELs est. (Acetone)

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.

Eye Protection:

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

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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: -89°C est. (Isopropanol)
Vapour Pressure: Not available
Evaporation Rate: Not available
Specific Gravity: 0.840
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: 277.8°C est. (1-methoxy-2-propanol)
Upper Flammable Limit: 16.0% est. (1-methoxy-1-propanol)
Lower Flammable Limit: 1.2% est. (Toluene)

SECTION 10 – STABILITY AND REACTIVITY

Stability:

Stable.

Hazardous Decomposition Products:

Carbon monoxide and/or carbon dioxide.

Materials to Avoid:

Strong oxidizing agents, strong acids, bases and reducing agents. Aluminum, halogens and phosphorous oxychloride.

Hazardous Reactions:

Vapours may form explosive mixture in air.

Conditions to Avoid:

Heat, flames and sparks.

SECTION 11 – TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENT	LD50	LC50	HRS
Acetone	5800 mg/kg	32000 mg/kg	4
1-methoxy-2-propanol	11700 mg/kg	19843 ppm	4
Isopropanol	5045 mg/kg	16970 ppm	4
Toluene	>5580 mg/kg	12500-28800 mg/m3	4

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Skin corrosion/irritation:

Rabbit - skin irritation - 24H

Serious eye damage/irritation:

Rabbit - eye irritation - 24H

Respiratory or skin sensitization:

Not expected.

Germ cell mutagenicity:

Not available.

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity:

Components of this material have been shown to cause harm to the fetus in lab animal studies, including statistically reduced mean litter size and implantation sites. Relevance of these findings to humans is uncertain.

Teratogenicity:

Causes feototoxicity in animals at maternally toxic levels.

Specific target organ toxicity (single exposure):

May cause central nervous system depression.

Specific target organ toxicity (repeated exposure):

May cause liver and/or kidney effects. May cause reproductive effects.

Aspiration hazard:

Classified as an aspiration hazard.

Potential Health Effects:**Inhalation:**

High vapour concentrations are irritating respiratory tract, and may cause headaches, dizziness, drowsiness, and other central nervous system effects.

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. Liquid aspirated into the lungs can cause chemical pneumonitis.

Skin:

Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning sensation, drying and cracking of skin.

Eyes:

May cause severe irritation, redness, tearing, blurred vision.

Signs and Symptoms of Exposure:

Not available.

Synergistic effects:

Not available.

Additional information:

Overexposure may effect the liver, kidney, respiratory system, eyes and skin.

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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.

Aquatic toxicity:

LC50 (Oncorhynchus Mykiss) 7.63 mg/L, 96H est. (Toluene)

LC50 (Pimephales Promelas) 9640 mg/L, flow-through, 96H, est. (Isopropanol)

Persistence and degradability:

91% readily biodegradable OECD Test Guideline 301B est. (Acetone)

Bioaccumulative potential:

3d bioconcentration factor (BCF): 90 est. (Toluene)

Mobility in soil:

No data.

Other adverse effects:

No data.

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 June 16, 2016 to define the Transportation of Dangerous Goods Classifications.

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 CONCENTRAION
LD: LETHAL DOSE
TDG: TRANSPORTATION OF DANGEROUS GOODS
TWA: TIME WEIGHTED AVERAGE
VOC: VOLATILE ORGANIC COMPOUND

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