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 21, 2015
Print Date:..... October 26, 2015
Version Number:..... 1

Product: ..... T4124 ACETONE
Product Use: ..... Industrial Solvent, Degreaser, Cleaner
FOR INDUSTRIAL USE ONLY

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

Target Organs:
Liver, Kidney

WHMIS Classification:
B2 - FLAMMABLE LIQUID
D2B - TOXIC (EYE AND SKIN IRRITANT)

GHS Classification:
Flammable Liquids (Cat. 2)
Skin corrosion/irritation (Cat. 3)
Serious eye damage/eye irritation (Cat. 2A)
Specific target organ toxicity - single exposure (Cat. 3), Central nervous system

GHS Label Elements, including precautionary statements:

Pictogram:

Signal Word:..... Danger

Hazard Statement(s):
H225: Highly flammable liquid and vapour
H316: Causes mild skin irritation
H319: Causes serious eye irritation
H336: May cause drowsiness or dizziness

Precautionary Statement(s):
P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	%
Acetone	67-64-1	95 - 100

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 consciouness, or is unconscious or convulsing. Do not induce vomiting. Have victim drink 60-240 mL (2-8 oz.) of water. If vomiting occurs naturally, have victim lean forward to reduct risk of aspiration. Have victim rinse mouth with water again. Immediately obtain medical attention.

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:
As quickly as possible, remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). (Note: It may be necessary to store contaminated clothing under water until it can be safely decontamination or discarded.) If irritation persists, repeat flushing. Obtain medical advice. Completely decominate clothing, shoes and leather goods before reuse or discard.

Note to Physician:
Treatment should be based on sound judgement of physician and individual reactions of patient.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media:
Alcohol resistant foam, water spray or fog, dry chemical powder, carbon dioxide.

Special Fire Fighting Procedures:
Use water spray to cool fire-exposed containers or structures. Product will float and can be reignited on surface of water.

Unusual Fire and Explosion Hazards:
Vapours may travel along ground and flashback along vapour trail may occur. Never use welding or cutting torch on or near drum (even empty) as product (even residue) can ignite explosively. All containers including pails, drum, tank cars & trucks should be grounded and/or bonded when material is transferred.

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

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.

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 PROPERITES

Physical State: ..... Liquid
Appearance/Odour: ..... Clear, colourless with characteristic odour
Odour Threshold: ..... No data
Viscosity:..... Not available
Vapour Density (AIR=1):..... 2.0 @ 20°C
Boiling Point: ..... 56°C at 1013 hPa
Melting/Freezing Point:..... -94°C
Vapour Pressure:..... 180 - 181 mmHg @ 20°C
Evaporation Rate:..... 5.6 (Butyl Acetate = 1)
Specific Gravity: ..... 0.791 - 0.792
Solubility in Water: ..... Completely miscible
Solids:..... 0%
Total VOC's: ..... Not available
pH:..... No data available.
Coeff. Water/Oil Dist.:..... log Pow: -0.24

Flashpoint: ..... -18°C T.C.C.
Autoignition Temp:..... 465°C
Upper Flammable Limit:..... 13.00%
Lower Flammable Limit: 2.00%

SECTION 10 – STABILITY AND REACTIVITY

Stability:
Stable.

Hazardous Decomposition Products:
Oxides of carbon.

Materials to Avoid:
Strong oxidizing agents. Strong acids and bases. Reducing agents. Reacts violently with 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	50100 mg/m3	8

Skin corrosion/irritation:
Rabbit - mild skin irritation - 24H.

Serious eye damage/irritation:
Rabbit - Eye irritation - 24H

Respiratory or skin sensitization:
Guinea pig - does not cause skin sensitization.

Germ cell mutagenicity:
No data 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:
Embryotoxicity in rodents, but only in maternally toxic doses.

Teratogenicity:
No data.

Specific target organ toxicity (single exposure):
May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure):
No data.

Aspiration hazard:
No data.

Potential Health Effects:

Inhalation:
May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Causes respiratory tract irritation. Vapours may cause drowsiness and dizziness.

Ingestion:
May irritate gastrointestinal tract.

Skin:
Incidental contact is non-irritating. Prolonged/repeated contact may cause irritation.

Eyes:
Can cause severe eye irritation.

Signs and Symptoms of Exposure:
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects:
No data.

Additional information:
May cause drowsiness or dizziness.

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. Dissolves in water. Readily biodegradable. May contaminate ground water.

Aquatoxicity:
LC50 (Oncorhynchus Mykiss) 5540 mg/L

Persistence and degradability:
91% - readily biodegradable. OECD test Guideline 301B.

Bioaccumulative potential:
Does not bioaccumulate.

Mobility in soil:
No data available.

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 UN1090 II
Proper Shipping Name (Ground Only): .....ACETONE

A scientific determination was concluded based on formulation ingredients on August 21, 2015 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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