



STARK INDUSTRIAL
527 DUNDONALD STREET, FREDERICTON, NB, E3B 1X5
CANADA 1-888-709-7773

PRODUCT: VOLT**Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

SUPPLIER STARK INDUSTRIAL
527 DUNDONALD STREET, FREDERICTON
NEW BRUNSWICK
CANADA
E3B 1X5

CHEMICAL FAMILY..... CHLORINATED HYDROCARBON.
CHEMICAL FORMULA..... NOT APPLICABLE.
FORMULA/LAB BOOK #..... VOLT.
MOLECULAR WEIGHT..... NOT APPLICABLE.
PRODUCT NAME..... VOLT
PRODUCT USES..... CLEANER.
TRADE NAMES & SYNONYMS..... VOLT

Section 02: COMPOSITION/INFORMATION INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
1,1,2-TRICHLOROETHYLENE	60-100	50 ppm	79-01-6	7193 mg/kg ORAL-RAT	8450 ppm (4h) RAT-INHAL
ISOPROPANOL	1-5	400 ppm	67-63-0	>4720 mg/kg ORAL - RAT	12000 ppm (8hr) INHAL - RAT
CARBON DIOXIDE	1-5	5000 ppm	124-38-9	NOT APPLICABLE	NOT AVAILABLE

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY:
INGESTION..... MAY CAUSE HEADACHE, NAUSEA, VOMITING AND WEAKNESS.
INHALATION..... INHALATION OF SOLVENTS MAY CAUSE IRRITATION. 1,1,2-TRICHLOROETHYLENE:IN
CONFINED OR POORLY VENTILATED AREAS, VAPOURS WHICH READILY ACCUMULATE CAN
CAUSE UNCONSCIOUSNESS. PROPELLANT IS A SIMPLE ASPHYXIANT.

EYE CONTACT..... MAY CAUSE IRRITATION.
SKIN ABSORPTION..... NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.
SKIN CONTACT..... MAY CAUSE IRRITATION.
EFFECTS OF ACUTE EXPOSURE..... 1,1,2-TRICHLOROETHYLENE OVEREXPOSURE MAY LEAD TO CENTRAL NERVOUS SYSTEM
DEPRESSION AND CARDIAC SENSITIZATION. DIZZINESS, NAUSEA. IRRITATION TO SKIN &
EYES.
EFFECTS OF CHRONIC EXPOSURE..... SOLVENTS MAY CAUSE DEFATTING DERMATITIS
EXPOSURE LIMIT OF MATERIAL..... SEE SECTION 2.

Section 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURE IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15
MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND
WATER. IF AFFECTED BY INHALATION OF VAPOUR OR SPRAY MIST, REMOVE TO FRESH AIR.
IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

Section 05: FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE (°C)..... 410.
SPECIAL PROCEDURES..... WATER FROM FOGGING NOZZLES MAY BE USED TO COOL CLOSED CONTAINERS TO
PREVENT BUILD-UP IF EXPOSED TO EXTREME TEMPERATURES. FULL PROTECTIVE
EQUIPMENT INCLUDING SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN IN A
FIRE INVOLVING THIS MATERIAL.

FLAMMABILITY..... NOT A FLAMMABLE PRODUCT (AS PER CANADIAN AEROSOL REGULATIONS).
IF YES, UNDER WHICH CONDITIONS?..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.
EXTINGUISHING MEDIA..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

UPPER FLAMMABLE LIMIT..... 52.
(% BY VOLUME)
LOWER FLAMMABLE LIMIT..... 7.6.
(% BY VOLUME)

EXPLOSION DATA
SENSITIVITY TO STATIC DISCHARGE..... NOT APPLICABLE.
SENSITIVITY TO IMPACT..... NOT APPLICABLE.

HAZARDOUS COMBUSTION
PRODUCTS..... POSSIBLE PHOSGENE OVER 250 DEG C, CHLORINE GAS, HYDROCHLORIC ACID.
HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS
INCOMPLETE.

AEROSOL FLAME PROJECTION
CLASSIFIED AS:..... 0 cm.
FLASHBACK..... NONE.

PRODUCT: VOLT**Section 05: FIRE FIGHTING MEASURES**FLASH POINT(°C),TAG CLOSED-CUP NONE.
(CONCENTRATE)**Section 06: ACCIDENTAL RELEASE MEASURES**LEAK/SPILL..... REMOVE ALL SOURCES OF IGNITION. USE AN INERT ABSORBENT MATERIAL, AND
NON-SPARKING TOOLS. VENTILATE AREA. PREVENT FROM ENTERING A WATERCOURSE.**Section 07: HANDLING AND STORAGE**STORAGE NEEDS..... KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.
ENGINEERING CONTROLS..... VENTILATION - LOCAL (MECHANICAL IF USED INDOORS ON A CONTINUOUS BASIS).
HANDLING PROCEDURES AND EQUIPMENT..... STORE IN A COOL, WELL VENTILATED AREA NOT TO EXCEED 50 DEG C.
SYNERGISTIC MATERIALS..... NONE KNOWN.**Section 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**GLOVES/ TYPE..... CHEMICAL RESISTANT GLOVES.
RESPIRATORY/TYPE..... IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR
(NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.
EYE/TYPE..... SAFETY GLASSES.
FOOTWEAR/TYPE..... NOT NORMALLY REQUIRED.
OTHER/TYPE..... NOT REQUIRED.**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**PHYSICAL STATE..... AEROSOL.
APPEARANCE..... CLEAR COLORLESS LIQUID.
ODOR..... ETHEREAL.
ODOR THRESHOLD..... NOT AVAILABLE.
VAPOUR PRESSURE(PSIG)-AEROSOL..... NOT AVAILABLE.
@ 20 C
BOILING POINT (°C)(CONC)..... 87.
EVAPORATION RATE..... GREATER THAN 1.
n-BUTYL ACETATE = 1
VAPOUR DENSITY (AIR=1)..... GREATER THAN 1.
(BY WEIGHT)
SOLUBILITY IN WATER g/L (20°C)..... NEGLIGIBLE.
pH..... NOT APPLICABLE.
SPECIFIC GRAVITY (LIQUID)..... 1.3-1.7.
COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.
FREEZING POINT: (°C)..... NOT AVAILABLE.
AEROSOL PERCENT VOLATILE..... 100.
(BY WEIGHT).
SPECIFIC GRAVITY (AEROSOL)..... 1.3-1.7.**Section 10: STABILITY AND REACTIVITY**HAZARDOUS PRODUCTS OF
DECOMPOSITION..... POSSIBLE PHOSGENE OVER 250 DEG C, CHLORINE GAS, HYDROCHLORIC ACID.
HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS
INCOMPLETE.
CHEMICAL STABILITY:
YES..... UNDER NORMAL CONDITIONS.
NO, WHICH CONDITIONS?..... NOT APPLICABLE.
COMPATIBILITY WITH OTHER SUBSTANCES:
NO, WHICH ONES?..... STRONG OXIDIZING AGENTS.
REACTIVITY CONDITIONS?..... NOT APPLICABLE.
HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.**Section 11: TOXICOLOGICAL INFORMATION**REPRODUCTIVE EFFECTS..... NO INFORMATION IS AVAILABLE AND NO ADVERSE REPRODUCTIVE EFFECTS ARE
ANTICIPATED.
IRRITANCY OF MATERIAL..... SKIN/EYE IRRITANT.
SENSITIZING CAPABILITY OF MATERIAL..... CATECHOLAMINE DRUGS.
CARCINOGENICITY..... YES.
TERATOGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE
ANTICIPATED.
MUTAGENICITY:
MUTAGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE
ANTICIPATED.**Section 12: ECOLOGICAL CONSIDERATIONS**

ENVIRONMENTAL..... NOT AVAILABLE.

PRODUCT: VOLT**Section 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL..... DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY. DISPOSE OF IN ACCORDANCE WITH LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

Section 14: TRANSPORTATION INFORMATION

T.D.G. CLASSIFICATION..... CONSUMER COMMODITY (AEROSOLS, UN1950, CLASS 2.2 (6.1)).
D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.

Section 15: REGULATORY INFORMATION**CANADIAN REGULATIONS:**

WHMIS CLASSIFICATION..... A,D1B,D2A,D2B.
CNFC SECTION 3.3.5..... LEVEL 1.
CEPA (Canadian Environmental Protection Act) ALL SUBSTANCES IN THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR ARE NOT REQUIRED TO BE LISTED.

U.S. REGULATIONS:

HMIS RATING HEALTH..... 2 MODERATE HAZARD.
HMIS RATING FLAMMABILITY..... 1 SLIGHT HAZARD.
HMIS RATING REACTIVITY..... 0 MINIMAL HAZARD.
HMIS RATING PERSONAL PROTECTION..... B.
NFPA CODE 30B..... LEVEL 1.
SARA 313 INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:
CAS #: CHEMICAL NAME:
*79-01-6 1,1,2-TRICHLOROETHYLENE.
CALIFORNIA PROPOSITION 65:..... THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:
WARNING: Studies show when exposed to long periods of high levels of Trichloroethylene may cause liver, kidney, or lung cancer. The International Agency for Research on Cancer (IARC) has determined that Trichloroethylene is "probably carcinogenic to humans." . CAS #: CHEMICAL NAME:
1,1,2-TRICHLOROETHYLENE. . *79-01-6
TSCA (Toxic Substances Control Act)..... ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.
VOC (w/w%)..... <96.

Section 16: OTHER INFORMATION

NOTICE FROM STARK INDUSTRIAL..... THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY STARK INDUSTRIAL FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. STARK INDUSTRIAL ASSUMES NO RESPONSIBILITY FOR EVENTS RESULTING OR DAMAGES INCURRED FROM ITS USE. THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.
PREPARED BY..... STARK INDUSTRIAL
PREPARATION DATE Jul 18, 2016

