

RUST CHECK CORPORATION  
6175 Danville Road, Mississauga, Ontario  
L5T 2H7 PHONE: (905) 670-5411

**PRODUCT: RUST CHECK FREEZE 10030 AEROSOL 250G****Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER ..... RUST CHECK CORPORATION  
6175 Danville Road, Mississauga  
ONTARIO, CANADA L5T 2H7  
PHONE: (905) 670-5411  
CANUTEC EMERGENCY #: 1-613-996-6666(24HR)  
PRODUCT NAME ..... RUST CHECK FREEZE AEROSOL, 250G  
PRODUCT CODE ..... 10030  
CHEMICAL FAMILY ..... ALIPHATIC HYDROCARBONS.  
MOLECULAR WEIGHT ..... NOT APPLICABLE.  
CHEMICAL FORMULA ..... MIXTURE.  
TRADE NAMES & SYNONYMS ..... NOT APPLICABLE.  
PRODUCT USES ..... LUBRICANT/PENETRANT.  
CAS # ..... NOT APPLICABLE.

**Section 02: COMPOSITION/INFORMATION INGREDIENTS**

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route, Species	LC/50 Route, Species
LIGHT NAPHTHA - HYDROTREATED	30-60	100 ppm	64742-49-0	24,000 mg/kg ORAL-RAT	14,000-16000 ppm/4h INHAL-RAT
KEROSENE	5-10	100 ppm	64742-81-0	28 g/kg ORAL - RABBIT	NOT AVAILABLE
HYDROTREATED HEAVY NAPHTHENIC DISTILLATE	1-5	5 mg/m3	64742-52-5	NOT AVAILABLE	NOT AVAILABLE
ISOBUTANE	10-30	1000 ppm	75-28-5	NOT APPLICABLE	142,500 ppm (4h) INHAL - RAT
PROPANE	10-30	1000 ppm	74-98-6	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. PROPELLANT IS A SIMPLE ASPHYXIANT.  
EYE CONTACT ..... VAPORS MAY IRRITATE.  
SKIN ABSORPTION ..... NO DATA AVAILABLE FOR THIS PRODUCT MIXTURE.  
SKIN CONTACT ..... MAY CAUSE IRRITATION.  
EFFECTS OF ACUTE EXPOSURE ..... DIZZINESS, NAUSEA. IRRITATION TO SKIN & EYES.  
EFFECTS OF CHRONIC EXPOSURE ..... SOLVENTS MAY CAUSE DEFATTING DERMATITIS.  
EXPOSURE LIMIT OF MATERIAL ..... CONTAINS TRACE AMOUNT OF: n-HEXANE IN LIGHT NAPHTHA - HYDROTREATED.  
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) ..... 257.  
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 ..... EXTREMELY FLAMMABLE.  
IF YES, UNDER WHICH CONDITIONS? ..... EXCESSIVE HEAT, SPARKS AND OPEN FLAME.  
EXTINGUISHING MEDIA ..... WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.  
UPPER FLAMMABLE LIMIT ..... 11.6.  
(% BY VOLUME)  
LOWER FLAMMABLE LIMIT ..... 1.8.  
(% BY VOLUME)  
EXPLOSION DATA  
SENSITIVITY TO STATIC DISCHARGE ..... NOT APPLICABLE.  
SENSITIVITY TO IMPACT ..... NOT APPLICABLE.  
HAZARDOUS COMBUSTION PRODUCTS ..... HYDROCARBON FUMES AND SMOKE. CARBON MONOXIDE WHERE COMBUSTION IS INCOMPLETE.  
AEROSOL FLAME PROJECTION

**PRODUCT: RUST CHECK FREEZE 10030 AEROSOL 250G****Section 05: FIRE FIGHTING MEASURES**

CLASSIFIED AS:..... >100cm.  
 FLASHBACK..... YES.  
 FLASH POINT(°C),TAG CLOSED-CUP ..... THE LOWEST KNOWN VALUE IS LIGHT NAPHTHA - HYDROTREATED @ <-18C.  
 (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..... WEAR CHEMICAL RESISTANT GLOVES.  
 RESPIRATORY/TYPER..... IF USED INDOORS ON A CONTINUOUS BASIS, USE OF A CARTRIDGE TYPE RESPIRATOR (NIOSH/MSHATC 23C OR EQUIVALENT) IS RECOMMENDED.  
 EYE/TYPER..... SAFETY GLASSES.  
 FOOTWEAR/TYPER..... NOT NORMALLY REQUIRED.  
 OTHER/TYPER..... NOT REQUIRED.

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE..... AEROSOL.  
 APPEARANCE..... LIGHT STRAW CLEAR.  
 ODOR..... CHARACTERISTIC.  
 ODOR THRESHOLD..... NOT AVAILABLE.  
 VAPOUR PRESSURE(PSIG)-AEROSOL..... 55-65.  
 @ 20 C  
 BOILING POINT (°C)(CONC)..... 64-325.  
 EVAPORATION RATE..... LESS 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)..... 0.68-0.72.  
 COEFFICIENT OF WATER/OIL DIST..... NOT AVAILABLE.  
 FREEZING POINT: (°C)..... NOT AVAILABLE.  
 AEROSOL PERCENT VOLATILE..... 98-99.  
 (BY WEIGHT).  
 SPECIFIC GRAVITY (AEROSOL)..... 0.56-0.60.

**Section 10: STABILITY AND REACTIVITY**

HAZARDOUS PRODUCTS OF DECOMPOSITION..... 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..... N-HEXANE- EXCESS EXPOSURE CAN RESULT IN PERIPHERAL NEUROPATHIES. THE INITIAL SYMPTOMS ARE SYMMETRICAL SENSORY NUMBNESS AND PARESTHESIAS OF DISTAL PORTIONS OF THE EXTREMITIES. MOTOR WEAKNESS IS TYPICALLY OBSERVED IN MUSCLES OF THE TOES AND FINGERS BUT MAY ALSO INVOLVE MUSCLES OF THE ARMS, THIGHS AND FOREARMS. THE ONSET OF THESE SYMPTOMS MAY BE DELAYED FOR SEVERAL MONTHS TO A YEAR AFTER THE BEGINNING OF EXPOSURE. THE NEUROTOXIC PROPERTIES OF N-HEXANE ARE POTENTIATED BY EXPOSURE TO METHYL ETHYL KETONE AND METHYL ISOBUTYL KETONE. PROLONGED EXPOSURE TO HIGH CONCENTRATIONS OF N-HEXANE (>1,000 ppm) HAS RESULTED IN DECREASED SPERM COUNT AND DEGENERATIVE CHANGES IN THE TESTES OF RATS BUT NOT THOSE OF MICE.  
 IRRITANCY OF MATERIAL..... SLIGHT.  
 SENSITIZING CAPABILITY OF MATERIAL..... UNKNOWN.  
 CARCINOGENICITY OF MATERIAL..... THE INGREDIENTS OF THIS PRODUCT ARE NOT LISTED AS CARCINOGENS BY NTP, (NATIONAL TOXICOLOGY PROGRAM), NOT REGULATED AS CARCINOGENS BY OSHA, (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), AND HAVE NOT BEEN EVALUATED BY IARC,(INTERNATIONAL AGENCY FOR RESEARCH ON CANCER), NOR BY ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS).  
 TERATOGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE TERATOGENIC EFFECTS ARE ANTICIPATED.

**PRODUCT: RUST CHECK FREEZE 10030 AEROSOL 250G****Section 11: TOXICOLOGICAL INFORMATION**

MUTAGENICITY..... NO INFORMATION IS AVAILABLE AND NO ADVERSE MUTAGENIC EFFECTS ARE ANTICIPATED.

**Section 12: ECOLOGICAL CONSIDERATIONS**

ENVIRONMENTAL..... NOT AVAILABLE.

**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 2.1).  
D.O.T. CLASSIFICATION..... CONSUMER COMMODITY, ORM-D.

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

WHMIS CLASSIFICATION..... A,B5,D2B.  
CNFC SECTION 3.3.5..... LEVEL 3.  
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..... 1 SLIGHT HAZARD.  
HMIS RATING FLAMMABILITY..... 4 SEVERE HAZARD.  
HMIS RATING REACTIVITY..... 0 MINIMAL HAZARD.  
HMIS RATING PERSONAL PROTECTION..... B.  
NFPA CODE 30B..... LEVEL 3.  
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:  
\*110-54-3 N-HEXANE  
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: THIS PRODUCT DOES NOT INTENTIONALLY CONTAIN ANY CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.  
. CAS #: CHEMICAL NAME:  
. N/A.  
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%)..... 96-97.

**Section 16: OTHER INFORMATION**

NOTICE FROM RUST CHECK CORP ..... THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET IS PROVIDED BY RUST CHECK CORP. FREE OF CHARGE. WHILE BELIEVED TO BE RELIABLE, IT IS INTENDED FOR USE BY SKILLED PERSONS AT THEIR OWN RISK. RUST CHECK 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..... TECHNICAL SERVICES  
PREPARATION DATE ..... March 31, 2016