

MATERIAL SAFETY DATA SHEET

KROWN T32

1. PRODUCT AND COMPANY INFORMATION

KROWN CORPORATE
35 MAGNUM DRIVE
SCHOMBERG, ON L0G 1T0
PHONE: (905) 939-8750
(800)-267-5744

WHMIS: NON-CONTROLLED
TRADE NAME: T32
PRODUCT CODE: NOT APPLICABLE
CAS NUMBER: MIXTURE. NOT APPLICABLE
SYNONYMS: NONE
FORMULA: NOT APPLICABLE
CHEMICAL FAMILY: PETROLEUM HYDROCARBON
PRIMARY PRODUCT USE: RUST INHIBITOR
CHEMICAL EMERGENCIES (DAY OR NIGHT) CALL CANUTEC: (613) 996-6666

2. HAZARDS IDENTIFICATION

APPEARANCE: RED OIL
ODOR: NONE
PRINCIPLE HAZARDS: NONE

SEE SECTION 11 FOR COMPLETE HEALTH HAZARD INFORMATION

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS: NONE

COMPOSITION	CAS NO.	%W/W	TOXICITY
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4. FIRST AID MEASURES

FIRST AID FOR EYES:

IMMEDIATELY WASH THE EYES WITH FLOWING WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. INSURE PROPER IRRIGATION BY OCCASIONALLY LIFTING UPPER AND LOWER EYELIDS. IF EYE IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

FIRST AID FOR SKIN:

REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED AREAS WITH PLENTY OF WATER. IF REDNESS OR SKIN IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE.

FIRST AID FOR INHALATION:

GET VICTIM TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION OR OXYGEN IF BREATHING HAS STOPPED OR IS DIFFICULT. GET PROMPT MEDICAL ATTENTION. DO NOT GIVE FLUIDS IF VICTIM IS UNCONSCIOUS.

FIRST AID FOR INGESTION:

IF INGESTED, DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ASSISTANCE.

5. FIRE FIGHTING MEASURES

FLASH POINT: > 185°C COC

AUTOIGNITION TEMP: > 210°C COC

FLAMMABLE LIMITS: LOWER: N/E UPPER: N/E

EXTINGUISHING MEDIA: WATER FOG, CO2, DRY CHEMICAL, ALCOHOL FOAM.

SPECIAL FIREFIGHTING INSTRUCTION:

DO NOT USE FULL WATER JET. USE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTION. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS. FIGHT FIRE FROM AS FAR AWAY AS POSSIBLE. COLLECT CONTAMINATED FIRE-FIGHTING WATER SEPARATELY. PREVENT FIRE-FIGHTING RUN-OFF FROM REACHING SEWERS OR BODIES OF WATER AS IT MAY CONTAIN CHEMICALS WHICH ARE HAZARDOUS TO THE ENVIRONMENT.

UNUSUAL FIRE AND EXPOSION HAZARDS:

TREAT AS AN OIL FIRE.

HAZARDOUS COMBUSTION PRODUCTS:

CARBON MONOXIDE

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:

DYKE AND RECOVER. USE ABSORBANT MATERIAL. CONSULT AN EXPERT ON THE DISPOSAL OF RECOVERED MATERIAL. ENSURE DISPOSAL IN COMPLIANCE WITH GOVERNMENT REGULATIONS AND ENSURE CONFORMITY TO LOCAL DISPOSAL REGULATIONS. NOTIFY APPROPRIATE AUTHORITIES IMMEDIATELY. TAKE ALL ACTION NECESSARY TO PREVENT AND REMEDY THE ADVERSE EFFECTS OF THE SPILL. PREVENT SPILLS FROM ENTERING WATER COURSES OR SEWERS.

7. HANDLING AND STORAGE

HANDLING AND STORAGE INFORMATION:

KEEP CONTAINER CLOSED. HANDLE OPEN CONTAINERS WITH CARE. STORE IN A COOL, WELL VENTILATED PLACE AWAY FROM OPEN FLAME AND INCOMPATIBLE MATERIALS. DO NOT HANDLE OR STORE NEAR AN OPEN FLAME OR OTHER SOURCES OF IGNITION. USE PROPER GROUNDING PROCEDURES. DO NOT PRESSURIZE, CUT, HEAT OR WELD "EMPTY" CONTAINERS. DO NOT REUSE EMPTY CONTAINERS WITHOUT COMMERCIAL CLEANING OR RECONDITIONING.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: 5 MG/M3 (ACGIH recommendation - nuisance mist)

RESPIRATORY PROTECTION: DUST MASK RECOMMENDED WHEN AEROSOLIZING PRODUCT.

PROTECTIVE GLOVES: NITRILE GLOVES RECOMMENDED.

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS.

ENGINEERING CONTROLS:

USE IN A WELL VENTILATED AREA. PROVIDE MECHANICAL VENTILATION OF CONFINED SPACES.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID
FLASH POINT: >185°C COC
UFL: N.D.
LFL: N.D.
AUTOIGNITION POINT: >210°C COC
EXPLOSION DATA: MATERIAL DOES NOT HAVE EXPLOSIVE PROPERTIES.
VAPOUR PRESSURE: N.D.
VAPOUR DENSITY: HEAVIER THAN AIR
pH: N.A.
SPECIFIC GRAVITY: 0.90 G/CC
WATER SOLUBILITY: NONE
EVAPORATION RATE: n-BUTYL ACETATE = 1: N.D.
VISCOSITY: 6.3 cSt @ 100°C APPROX.
BOILING POINT: N.D.
MELTING POINT: - 20°C

The above data are typical values and do not constitute a specification.

10. STABILITY AND REACTIVITY

STABILITY: STABLE
CONDITIONS TO AVOID: NOT DETERMINED
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
INCOMPATIBILITIES: STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION: THERMAL DECOMPOSITION MAY PRODUCE CARBON MONOXIDE.

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION: SLIGHTLY IRRITANT
SKIN IRRITATION: NON-IRRITATING.
RESPIRATORY IRRITATION: MAY CAUSE NOSE AND THROAT IRRITATION.
DERMAL TOXICITY: N.D.
DERMAL SENSITIZATION:
PROLONGED OR REPEATED SKIN CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DERMATITIS.

-CHRONIC EXPOSURE -

CHRONIC TOXICITY: NO DATA AVAILABLE TO INDICATE PRODUCT IS A CHRONIC HEALTH HAZARD.
CARCINOGENICITY: NOT EXPECTED.
MUTAGENICITY: NOT EXPECTED
REPRODUCTIVE TOXICITY: NOT EXPECTED
TERATOGENICITY: NOT EXPECTED

OTHER: NONE KNOWN

12. ECOLOGICAL INFORMATION

FRESHWATER FISH TOXICITY: NOT DETERMINED
FRESHWATER INVERTIBRATES TOXICITY: NOT DETERMINED
ALGAL INHIBITION: NOT DETERMINED
SALTWATER FISH TOXICITY: NOT DETERMINED
SALTWATER INVERTIBRATES TOXICITY: NOT DETERMINED
BACTERIA TOXICITY: NOT DETERMINED
MISCELLANEOUS TOXICITY: NOT DETERMINED

ENVIRONMENTAL FATE

BIODEGRADATION: EXPECTED TO BE EXTREMELY LIMITED
BIOACCUMULATION: NOT EXPECTED TO BIOCONCENTRATE
SOIL MOBILITY: NOT DETERMINED.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL CONSIDERATIONS:

THIS PRODUCT, IF DISCARDED, IS NOT A HAZARDOUS WASTE. RECOMMEND THAT PRODUCT BE DISPOSED OF BY INCINERATION IN AN APPROVED FACILITY. FOLLOW APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

14. TRANSPORT INFORMATION

CANADIAN TRANSPORTATION OF DANGEROUS GOODS: NOT REGULATED.
U.S. D.O.T.: NOT REGULATED
ADR, RID, IMDG, ICAO, IATA – THIS PRODUCT IS NOT REGULATED BY ADR, RID, IMDG, ICAO, IATA

15. REGULATORY INFORMATION

CANADA: ALL COMPONENTS ARE ON THE DOMESTIC SUBSTANCES LIST OR ARE EXEMPT.

"This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR"

USA: ALL COMPONENTS OF THIS PRODUCT ARE REGISTERED UNDER TSCA OR ARE EXEMPT.

EU:

ALL COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE EC SEVENTH AMENDMENT DIRECTIVE 92/32/EEC.

16. OTHER INFORMATION

CANADA HMIS CODES: H=1, F=1, R=0
WHMIS: NOT CONTROLLED.
US NFPA CODES: H=1, F=1, R=0, SPECIAL = N/E
REVISION DATE: 11 May 2015