



SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Name..... **Metalworx 5**
Product Code..... MW5
Manufacturer..... Edrich Products, Inc.
Address..... 33672 Doreka Rd. Fraser, MI 48026
Phone Number..... (586) 296-3350
Transportation Emergency..... CHEMTREC: (800) 424-9300 (Operation time: 24 hrs)
Use of substance/mixture..... Corrosion Inhibitor - Oil soluble

SECTION 2 - HAZARD(S) IDENTIFICATION

GHS Classification: IRRITANT

GHS Label:



Signal Word: DANGER

Hazard statement(s): CATEGORY 2, H320 - CAUSES EYE IRRITATION.
CATEGORY 3, H226 - FLAMMABLE LIQUID AND VAPOR.
CATEGORY 2, H315 - CAUSES SKIN IRRITATION.
CATEGORY 1, H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

Precautionary statement(s): P210 - KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING.
P280 - WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
P240 - GROUND AND BOND CONTAINER AND RECEIVING EQUIPMENT.
P403 + P235 - STORE IN WELL VENTILATED PLACE. KEEP COOL.
P301 + P310 + P330 + P331 - IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.
RINSE MOUTH. DO NOT INDUCE VOMITING.
P303 + P361 + P353 - IF ON SKIN: GENTLY WASH WITH PLENTY OF SOAP AND WATER.
P304 + P340 - IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.
P305 + P351 + P338 + P310 - IF IN EYES: RINSE CONTINUOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
P381 - ELIMINATE ALL IGNITION SOURCES IF SAFE TO DO SO.

Hazards not otherwise classified NONE

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	C.A.S. REGISTRY NO.	%	TLV, PEL, OTHER LIMITS
C12-C14 ISOALKANES	68551-19-9	65 - 75	PEL/TLV = 5 mg/m ³ , Oil Mist
NAPHTHENIC PETROLEUM DISTILLATES	64742-52-5	10 - 20	PEL/TLV = 5 mg/m ³ , Oil Mist
MORPHOLINE	110-91-8	1 - 2	ACGIH TLV = 20 ppm, OSHA PEL = 20 ppm

SECTION 4 - FIRST AID MEASURES

Inhalation: REMOVE VICTIM FROM AREA OF EXPOSURE. IF UNCONCIOUS, GIVE OXYGEN. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING, GET IMMEDIATE MEDICAL ATTENTION.
Ingestion: DO NOT INDUCE VOMITING. DANGER FROM ASPIRATING INTO LUNGS EXCEEDS SHORT TERM TOXIC EFFECTS. GET IMMEDIATE MEDICAL HELP.
Skin: REMOVE ANY CONTAMINATED CLOTHING. THOROUGHLY WASH AREA WITH MILD SOAP AND WATER. GET MEDICAL ATTENTION. IF IRRITATION OCCURS. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.
Eyes: FLUSH WITH WATER, IMMEDIATELY, FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION IF IRRITATION PERSISTS.

Most important symptoms/effects: SEVERE EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, AND BLURRED VISION.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media..... USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.
Unsuitable Extinguishing Media..... DO NOT USE WATER STREAM AS AN EXTINGUISHER, THIS COULD CAUSE THE FIRE TO SPREAD.
Special Fire Fighting Procedures..... WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.
Unusual Fire and Explosion Hazards..... VAPOR ACCUMULATIONS MAY FLASH AND/OR EXPLODE IF IGNITED. KEEP IGNITION SOURCES, OPEN FLAMES, ECT., AWAY FROM THOSE FUMES.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions and Procedures..... KEEP UNNECESSARY PERSONNEL AWAY. ALL PERSONS CLEANING UP SPILL SHOULD WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. RESTRICT ACCESS TO AREA OF SPILL UNTIL IT IS CLEANED UP.
Containment and Clean Up Methods..... SHOULD BE PREVENTED FROM ENTERING DRAINS, SEWERS, STREAMS AND ANY OPEN OR PUBLIC BODY OF WATER. COVER SPILLS WITH AN ABSORBENT, SWEEP UP AND PUT IN A PROPER CONTAINER FOR DISPOSAL IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION 7 - HANDLING AND STORAGE

Handling And Storage Precautions..... KEEP FROM EXTREME TEMPERATURES. KEEP EMPTY CONTAINERS AWAY FROM SPARKS AND OPEN FLAMES. FOLLOW COMMON SENSE HYGIENE AND HANDLING PRACTICES. KEEP IN A CLOSED CONTAINER WHEN NOT IN USE. WASH THOROUGHLY AFTER USE. BOND AND GROUND ALL EQUIPMENT WHEN TRANSFERRING FROM ONE VESSEL OR CONTAINER TO ANOTHER. THIS MATERIAL CAN ACCUMULATE STATIC CHARGE BY FLOW OR AGITATION. VAPORS CAN BE IGNITED BY STATIC DISCHARGE. USE EXPLOSION PROOF EQUIPMENT AS DIRECTED BY LOCAL FIRE CODES.
Other Precautions..... ROTATE STOCK. DO NOT RE-USE EMPTY CONTAINERS. THIS PRODUCT IS FLAMMABLE - AVOID OPEN FLAMES & SPARKS.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory Protection.....LOCAL EXHAUST AND MECHANICAL VENTILATION RECOMMENDED.
Local Exhaust Ventilation.....SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL) VENTILATION.
Mechanical Ventilation.....USE FANS WITHIN WORK AREA TO FACILITATE VENTILATION.
Protective Gloves.....WEAR CHEMICALLY RESISTANT GLOVES SUCH AS POLYETHYLENE.
Eye Protection.....CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES RECOMMENDED. AVOID EYE CONTACT.
Other Protective Equipment.....WEAR IMPERVIOUS CLOTHING AND BOOTS TO PREVENT PROLONGED OR REPEATED SKIN CONTACT.
APRON RECOMMENDED. EYE-WASH AVAILABLE IN CASE OF ACCIDENT IS RECOMMENDED.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance.....	Clear Amber	Upper/Lower Flammability.....	Not available
Odor.....	Solvent	Vapor Pressure.....	Not available
Odor Threshold.....	Not available	Vapor Density.....	Not available
Specific Gravity.....	0.800 - 0.850	Relative Density.....	Not available
pH.....	Not available	Solubility(ies).....	Insoluble in water
Freezing Point.....	Not available	Partition Coefficient (LogKow).....	Not available
Boiling Point.....	340 - 400°F (171 - 204°C)	Auto-ignition Temperature.....	Not available
Flash Point.....	150 - 160°F (66 - 71°C) (C.O.C.)	Decomposition Temperature.....	Not available
Evaporation Rate.....	Not available	Viscosity.....	Not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity.....NO SPECIFIC TEST DATA AVAILABLE FOR THIS PRODUCT. REFER TO CONDITIONS TO AVOID AND INCOMPATIBLE MATERIALS FOR ADDITIONAL INFORMATION.
Stability.....STABLE
Incompatible Materials.....STRONG OXIDIZERS
Conditions to Avoid.....AVOID HEAT, SPARKS AND OPEN FLAMES.
Hazardous Polymerization.....WILL NOT OCCUR.
Hazardous Decomposition Products.....COMBUSTION MAY PRODUCE OXIDES OF CARBON OR UNIDENTIFIED ORGANIC COMPOUNDS.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely routes of exposure.....Dermal, Inhalation, Eyes

Potential acute health effects

Eye contact.....May cause transient eye irritation with pain and redness.
Inhalation.....Prolonged breathing of vapors may cause respiratory tract irritation.
Skin contact.....Prolonged contact can cause skin irritation.
Ingestion.....Ingesting large amounts may cause irritation of the gastrointestinal tract, nausea and vomiting.

Potential chronic health effects

General.....No known significant effects or critical hazards.
Carcinogenicity.....No known significant effects or critical hazards.
Mutagenicity.....No known significant effects or critical hazards.
Teratogenicity.....No known significant effects or critical hazards.
Developmental effects.....No known significant effects or critical hazards.
Fertility effects.....No known significant effects or critical hazards.

FROM THE AVAILABLE TOXICOLOGICAL DATA ON THE INGREDIENTS USED IN THIS PRODUCT, THE PROJECTED TOXICOLOGICAL DATA FOR THIS FINISHED PRODUCT IS:
ORAL LD50 (RAT) - >5000 mg/kg, PRACTICALLY NON-TOXIC; DERMAL LD50 (RABBIT) - >5000 mg/kg, PRACTICALLY NON-TOXIC

SECTION 12 - ECOLOGICAL INFORMATION

NO DATA AVAILABLE

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method.....SPILLED MATERIAL SHOULD BE DISCARDED AS DESCRIBED ABOVE, OBSERVING ALL LOCAL, STATE AND FEDERAL GOVERNMENTAL REGULATIONS THAT APPLY TO SPILL REPORTING AND WASTE DISPOSAL.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name.....PETROLEUM DISTILLATES, N.O.S.
DOT Hazard Class (49CFR172.101).....3, UN1268, PG III (COMBUSTIBLE LIQUID)

SECTION 15 - REGULATORY INFORMATION

U.S. TSCA.....ALL COMPONENTS ARE ON THE TSCA INVENTORY.
SARA Title III, Section 313.....NONE
CANADA DSL.....ALL SUBSTANCES CONTAINED IN THIS PRODUCT ARE LISTED ON THE CANADIAN DSL.
WHMIS.....B3

SECTION 16 - OTHER INFORMATION

NFPA RATINGS.....HEALTH - 1 FLAMMABILITY - 2 REACTIVITY - 0
DATE OF ISSUE.....1/10/2019
PREPARED BY.....EDRICH PRODUCTS LABORATORY