



The X-1R Corporation

Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: X-1R Manual Transmission Treatment

MANUFACTURER: The X-1R Corporation
ADDRESS: 375 Fentress Blvd. Daytona Beach, FL 32114

PRODUCT INFORMATION: 1-386-271-7000
EMERGENCY PHONE: 1-800-424-9300 (Inside U.S.)
1-703-527-3887 (Outside U.S.)
FAX: 1-386-271-7001

CHEMICAL NAME: Synthetic Petroleum Hydrocarbon
CHEMICAL FAMILY: Synthetic Petroleum Hydrocarbon
CHEMICAL FORMULA: Proprietary

PRODUCT USE: MTT is used as a transmission lubricant.

SECTION 2: HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

GHS Classification of the product:

Skin Corrosion/Irritation: Category 2
Serious eye damage/eye irritation: Category 2A

Label Elements:

Pictogram:



Signal Word: Warning

Hazard Statements:

H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary Statements (Prevention):

- P280 Wear protective gloves/protective clothing/eye protection/face protection
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P270 Do not eat, drink or smoke when using this product.
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

- P308 + P313 IF exposed or concerned: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301 + P312 + P330 + P331 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P303 + P352 + P363 IF ON SKIN (or hair): Wash with plenty of soap and water. Wash contaminated clothing before reuse.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P370 + P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide to extinguish.

Precautionary Statements (Storage):

- P405 Store locked up.
P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

- P501 Dispose of contents/container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified: None known

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

EMERGENCY OVERVIEW: Clear red liquid, with slight odor. Avoid contact with eyes and excessive contact with skin. Avoid contact with strong oxidizers.

HMIS RATING: **HEALTH:** 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0

ROUTES OF ENTRY: Skin contact.

POTENTIAL HEALTH EFFECTS:

EYES: Causes serious eye irritation.

SKIN: Causes skin irritation.

INGESTION: No hazard in normal industrial use.

INHALATION: No hazard in normal industrial use.

ACUTE HEALTH HAZARDS: None Known.

CHRONIC HEALTH HAZARDS: It contains no known carcinogens or mutagens as defined by OSHA or IARC.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>Wt%</u>
Sulfur/Phosphorus compounds	90031-31-8	5 - 10
Proprietary mixture of non-hazardous components	Trade Secret	90 - 95

A subset of the components listed above has been tested as a mixture.

SECTION 4: FIRST AID MEASURES

EYES: Flush immediately with large amounts of water for at least 15 minutes. Get medical assistance if irritation persists.

SKIN: Wash affected area with soap and water. Remove soiled clothing. Get medical assistance if irritation persists. Wash clothing before reuse.

INGESTION: Do not induce vomiting. Consult a physician immediately. Aspiration of vomitus can cause chemical pneumonitis that can be fatal.

INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, summon medical assistance immediately. If breathing ceases, restore using approved CPR techniques and summon medical assistance immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat as any exposure to any oil based material (See Section 2 for observable signs/symptoms).

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: **Flash Point:** > 399 °F **Burn Rate:** Unknown

FLAMMABLE LIMITS: Lower Flammable Limit: Not Established.
Upper Flammable Limit: Not Established.

FLAMMABILITY CLASSIFICATION: Not flammable.

AUTOIGNITION TEMPERATURE: Not established

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon, Oxides of Sulfur and Phosphorus.

EXTINGUISHING MEDIA: Carbon dioxide (CO₂); Foam; Dry Chemical, Earth or Sand.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Summon professional firefighters. Use full protective equipment including self-contained breathing apparatus. Contain liquid, cover with extinguishing agent; use water spray to cool fire exposed containers and as protective screen. Do not point solid water stream directly into burning fluid to avoid spreading.

NFPA RATING: **HEALTH:** 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0

SECTION 6: ACCIDENTAL RELEASE MEASURES

Wear protective equipment (see Section 8); stop leak at source; dike area; prevent material from entering waterway; prevent contact with strong oxidizers and reducers (see Section 7); pump material to reclaim container; use absorbent on remaining material; and shovel into disposal container.

Contain spill, absorb with inert absorbents such as dry clay, sand, or diatomaceous earth, commercial absorbents, or recover using pumps. Scoop up used absorbents into appropriate receptacles.

Dispose of collected material in accordance with local, state and federal regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Do not get in eyes or on clothing.

STORAGE: Keep container closed. Keep away from sparks and open flame.

INCOMPATIBLE MATERIALS: Strong oxidizers.

VENTILATION: Use with adequate ventilation. Use good engineering practices to establish ventilation.

SPECIAL PACKAGING MATERIALS: Not applicable

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with adequate ventilation.

EYE / FACE PROTECTION: Use Chemical goggles if splashing is likely or high-pressure systems are used.

SKIN PROTECTION: Use neoprene, oil-resistant hand gloves.

RESPIRATORY PROTECTION: None normally required. If mist is generated, wear approved organic vapor respirator suitable for oil mist areas with sufficient oxygen.

EXPOSURE GUIDELINES: No data available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear red liquid
ODOR:	Mild petroleum odor
PHYSICAL STATE:	Liquid
pH:	Not Available
BOILING POINT:	Not available
FREEZING POINT:	Not Available
VAPOR PRESSURE:	Not Available
SPECIFIC GRAVITY (H₂O = 1):	0.85 – 0.88
SOLUBILITY IN WATER:	Not miscible

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal ambient and anticipated storage and handling conditions

CONDITIONS TO AVOID: Open flames.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None if used according to specifications.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ANIMAL DATA:

90031-31-8 Sulfur/Phosphorus:

Oral: LD50 > 300 < 2000 mg/kg (rat)
Dermal: LD50 > 2000 mg/kg (rat)

EYE EFFECTS: Irritating to eyes. Causes serious eye irritation

SKIN EFFECTS: Irritating to skin and mucous membranes

INGESTION EFFECTS: No data

INHALATION EFFECTS: No data

SUBCHRONIC EFFECTS: No data

ADDITIONAL TOXICOLOGICAL INFORMATION: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful, Irritant.

CHRONIC EFFECTS/CARCINOGENICITY: It contains no known carcinogens or mutagens as defined by OSHA or IARC.

EPIDEMIOLOGY: No data

TERATOLOGY: No data

REPRODUCTIVE EFFECTS: No data

NEUROTOXICITY: No data

MUTAGENICITY: No data

SYNERGISTIC PRODUCTS: No data

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: No data is available on this product

Aquatic toxicity: No further relevant information available

Persistence and degradability: No further relevant information available

Bioaccumulative potential: No further relevant information available

Mobility in soil: No further relevant information available

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

Other adverse effects: Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

All disposals must comply with federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT

Proper Shipping Name:	Not regulated
Hazard Class:	None
I.D. No. (UN/NA):	N/A
Packing Group:	N/A
DOT Label(s):	None

IMO/ IMDG

Proper Shipping Name:	Not regulated
Hazard Class:	None
I.D. No. (UN/NA):	N/A
Packing Group:	N/A
IMO/ IMDG Label(s):	None

IATA/ ICAO

Proper Shipping Name:	Not regulated
Hazard Class:	None
I.D. No. (UN/NA):	N/A
Packing Group:	N/A
IATA/ ICAO Label(s):	None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA: All components appear/exempt in TSCA Inventory

TSCA: 68515-49-1: Diisodecyl Phthalate

CERCLA SARA HAZARD CATEGORY:

SECTION 311 AND 312: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: None

SECTION 313: This product contains no 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.

State regulations:

Sulfur/Phosphorus compounds (CAS# 90031-31-8) can be found on one or more of the following state right to know lists: New York, New Jersey, Pennsylvania, Massachusetts.

California Prop. 65:

This product contains following chemical(s) known to the State of California to cause cancer: None

This product contains following chemical(s) known to the State of California to cause developmental toxicity: Diisodecyl Phthalate (CAS# 68515-49-1)

Additional information available upon request.

INTERNATIONAL REGULATIONS:

Canadian WHMIS: Information available upon request.

Canadian Environmental Protection Act (CEPA): Information available upon request.

EU Regulations: Information available upon request.

SECTION 16: OTHER INFORMATION

The information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of The X-1R Corporation. The Data on this sheet related only to the specific material designed herein. The X-1R Corporation assumes no legal responsibility for the use or reliance on this data.

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