



# The X-1R Corporation

## Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** X-1R Retail Engine 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:** Mixture  
**CHEMICAL FAMILY:** Synthetic Lubricant  
**CHEMICAL FORMULA:** Proprietary

**PRODUCT USE:** Engine Treatment is used as a lubricant.

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### SECTION 2: HAZARDS IDENTIFICATION

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

**OSHA/HCS Status:** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**GHS label elements:**

**Pictogram:** No pictogram  
**Signal Word:** No signal word  
**Hazard statements:** No known significant effects or critical hazards.

**Precautionary statements:**

Prevention: Not applicable.  
Response: Not applicable.  
Storage: Not applicable.  
Disposal: Not applicable.

**Hazards not otherwise classified:** None known

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

**EMERGENCY OVERVIEW:** Clear amber liquid, with petroleum odor. Avoid contact with eyes and excessive contact with skin (See Section 3 below). Avoid contact with strong oxidizers. Protect against decomposition products of oxides of carbon.

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

**ROUTES OF ENTRY:** Skin contact. Inhalation.

**POTENTIAL HEALTH EFFECTS:**

**EYES:** Not expected to be irritating to eyes.

**SKIN:** Not expected to be irritating to skin.

**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

<b><u>INGREDIENT</u></b>	<b><u>CAS NO.</u></b>	<b><u>Wt%</u></b>
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	50 - 70
Organic Ester	Trade Secret	10 - 30
Proprietary Ingredients	Trade Secret	5 - 20
Benzeneamine,-N-phenyl-, reaction product with 2,4,4-trimethylpentene and 2-methylpropene	184378-08-3	1 - 5
Petroleum process oil, <3.0% DMSO extractable material	64742-52-5	1 - 5
Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide	445409-27-8	1 - 3
Proprietary dodecenylsuccinic acid reaction product (NJTSR No. 8009983-5012P)	Trade Secret	0.5 - 2
Diphenylamine	122-39-4	< 0.05

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Flush with plenty of water for at least 15 minutes. Seek medical attention.

**SKIN:** Flush with soap and water. Remove contaminated clothing and launder.

**INGESTION:** Do not induce vomiting. Seek Medical Attention.

**INHALATION:** Remove to fresh air and seek medical attention.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treat as any exposure to any oil based material (See Section 3 for observable signs/symptoms).

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## SECTION 5: FIRE FIGHTING MEASURES

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**FLAMMABLE PROPERTIES:** **Flash Point:** > 350 °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, Nitrogen.

**EXTINGUISHING MEDIA:** Carbon dioxide (CO<sub>2</sub>); Foam; Dry Chemical, Earth or Sand.

**ADDITIONAL CONSIDERATIONS:** None.

**SPECIAL FIRE FIGHTING INSTRUCTIONS:** 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:** 0            **FLAMMABILITY:** 1            **REACTIVITY:** 0            **PPE:** B

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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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 in approved, secure landfill site or through a licensed waste reclaimer.

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## SECTION 7: HANDLING AND STORAGE

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**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

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** Use with adequate ventilation.

**EYE / FACE PROTECTION:** None normally required, 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 LIMITS:** .

**Distillates (petroleum), solvent-dewaxed heavy paraffinic:**

PEL (OSHA): 5 mg/m<sup>3</sup>, 8 hr TWA (Inhalable fraction)  
TLV (ACGIH): 5 mg/m<sup>3</sup>, 8 hr TWA

**Diphenylamine:**

PEL (OSHA): 10 ppm, 8 hr TWA  
TLV (ACGIH): 10 mg/m<sup>3</sup>, 8 hr TWA

**Petroleum process oil, <3.0% DMSO extractable material:**

PEL (OSHA): 5 mg/m<sup>3</sup>, 8 hr TWA (Inhalable fraction)  
TLV (ACGIH): 5 mg/m<sup>3</sup>, 8 hr TWA

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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<b>APPEARANCE:</b>	Clear amber liquid
<b>ODOR:</b>	Petroleum odor
<b>PHYSICAL STATE:</b>	Liquid
<b>pH:</b>	Not Applicable
<b>BOILING POINT:</b>	Not Available
<b>FLASH POINT:</b>	> 350 °F
<b>POUR POINT:</b>	Not Available
<b>VAPOR PRESSURE:</b>	Not Available
<b>EVAPORATION RATE:</b>	Not Available
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	0.91
<b>DENSITY (lbs/gallon)</b>	7.61
<b>SOLUBILITY IN WATER:</b>	Negligible

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**SECTION 10: STABILITY AND REACTIVITY**

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**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.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**EYE EFFECTS:** No irritating effect

**SKIN EFFECTS:** No irritating effect

**INGESTION EFFECTS:** No data

**INHALATION EFFECTS:** No data

**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

**INFORMATION (ANIMAL DATA) ON INDIVIDUAL COMPONENTS:**

**Distillates (petroleum), solvent-dewaxed heavy paraffinic:**

Inhalation 4 hour LC50: > 5.53 mg/l in rats  
Skin Absorption LD50: > 3,000 mg/kg in rabbits  
Oral LD50: > 5,000 mg/kg in rats

**Organic Ester:**

Oral LD50: > 5,000 mg/kg in rats

**Benzeneamine,-N-phenyl-, reaction product with 2,4,4-trimethylpentene and 2-methylpropene:**

Skin Absorption LD50: > 2,000 mg/kg in rabbits  
Oral LD50: > 5,000 mg/kg in rats

**Petroleum process oil, <3.0% DMSO extractable material:**

Skin Absorption LD50: > 2,000 mg/kg in rabbits  
Oral LD50: > 5,000 mg/kg in rats

**Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide:**

Skin Absorption LD50: > 2,000 mg/kg in rabbits  
Oral LD50: > 5,000 mg/kg in rats

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**SECTION 12: ECOLOGICAL INFORMATION**

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**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:** Generally not hazardous for water

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable

**vPvB:** Not applicable

**Other adverse effects:** No further relevant information available

**Information on components:**

**Aquatic Toxicity:**

**Distillates (petroleum), solvent-dewaxed heavy paraffinic:**

96 hours Acute LC50, Fish	:	>100 mg/l
72 hours Acute EC50, Algae	:	>100 mg/l
48 hours Acute EC50, Daphnia	:	>100 mg/l
21 days Chronic NOEL, Daphnia	:	>1 mg/l

**Benzeneamine,-N-phenyl-, reaction product with 2,4,4-trimethylpentene and 2-methylpropene:**

96 hours Acute LC50, Fish	:	>100 mg/l
72 hours Acute EC50, Algae	:	>100 mg/l
48 hours Acute EC50, Daphnia	:	51 mg/l

**Proprietary Ingredients:**

96 hours Acute LC50, Fish	:	42 mg/l
72 hours Acute EC50, Algae	:	>100 mg/l
48 hours Acute EC50, Daphnia	:	56 mg/l

**Amides, coco, N,N-bis(hydroxyethyl), reaction products with coco monoglycerides and molybdenum oxide:**

96 hours Acute LC50, Fish	:	>10 mg/l
72 hours Acute EC50, Algae	:	1.5 mg/l
48 hours Acute EC50, Daphnia	:	1.5 mg/l

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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

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**SECTION 14: TRANSPORT INFORMATION**

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**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

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS:**

**TSCA:** All components appear/exempt in TSCA Inventory

**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 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.: Diphenylamine (<0.05%)

**State regulations:**

No specific listing can be found on 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

Additional information available upon request.

**INTERNATIONAL REGULATIONS:**

**Canadian WHMIS:** Additional information available upon request.

**Canadian Environmental Protection Act (CEPA):** Additional information available upon request.

**EU Regulations:** Additional information available upon request.

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**SECTION 16: OTHER INFORMATION**

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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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