



The X-1R Corporation

Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: X-1R Small 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.

SECTION 2: HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; CFR Part 1910

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

GHS label element :

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

Precautionary statement:

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; 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

INGREDIENT	CAS NO.	Wt%
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 concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4: FIRST AID MEASURES

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/symptom).

SECTION 5: FIRE FIGHTING MEASURES

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.

AUTOIGNATION TEMPERATURE: Not established.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon, Nitrogen.

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

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 steam directly into burning fluid to avoid spreading.

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

SECTION 6: ACCIDENTAL RELEASE MEASURE

Contain spill, absorb with inert absorbents such as dry clay, sand, 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.

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: 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 area with sufficient oxygen.

EXPOSURE LIMITS:

Distillates (petroleum), solvent-dewaxed heavy paraffinic:

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

Diphenylamine:

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

Petroleum process oil, <3.0% DMSO extractable material:

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear amber liquid
ODOR:	Petroleum odor
PHYSICAL STATE:	Liquid
pH:	Not applicable
BOILING POINT:	Not available
FLASH POINT:	>350°F
POUR POINT:	Not available
VAPOR PRESSURE:	Not available
EVAPORATION RATE:	Not available
SPECIFIC GRAVITY (H₂O = 1):	0.91
DENSITY (lbs/gallon):	7.61
SOLUBILITY IN WATER:	Negligible

SECTION 10: STABILITY AND REACTIVITY

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

CONDITION 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

EYE EFFECT: No irritating effect

SKIN EFFECT: No irritating effect

INGESTION EFFECTS: No data

INHALATION EFFECTS: No data

CHRONIC EFFECT/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:>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

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: Generally not hazardous for water

Result 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 hours Acute 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

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
DOT Label(s):	None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA: All components appears/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 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: 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 Environment Protection Act (CEPA): Additional information available upon request.

EU Regulation: Additional 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.

Date of Issue: September 21, 2016
Date of Previous Issue: N/A
SDS No: X1R0604E001

End of SDS