PROPROTECT TRANSMISSION FLUID TO-4 (SAE 30)

Safety Data Sheet

SDS ID: 820442

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

PROPROTECT Transmission Fluid TO-4 (SAE 30)

Product Code

Prefix 24

Synonyms

Drive Train TO-4 SAE 30 Blend.

Product Use

Lubricating oil. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

Restrictions on Use

None known.

FOR PRODUCT MANUFACTURED IN THE U.S.A.:

MANUFACTURER
Safety-Kleen Systems, Inc.
42 Longwater Drive
Norwell, MA 02061-9149
U.S.A.

SUPPLIER (in Canada)
Safety-Kleen Canada, Inc.
25 Regan Road
Brampton, Ontario, Canada L7A 1B2

FOR PRODUCT MANUFACTURED IN CANADA:

MANUFACTURER
Safety-Kleen Canada, Inc.
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Brampton, Ontario, Canada L7A 1B2

SUPPLIER (in the U.S.A.)
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Phone: 1-800-669-5740
Emergency Phone #: 1-800-468-1760

Issue Date

November 19, 2021

Supersedes Issue Date

New Issue SDS

Original Issue Date

November 19, 2021

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with Schedule 1 of Canada's Hazardous Products Regulations (HPR) (SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200 in the United States

Carcinogenicity - Category 1A

GHS Label Elements
Symbol(s)

Signal Word
Danger
Hazard Statement(s)
May cause cancer.
Precautionary Statement(s)
Prevention
Read label before use. Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
Response
IF exposed or concerned: Get medical advice/attention.
Storage
Store locked up.
Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) Not Otherwise Classified
Repeated exposure may cause skin dryness or cracking.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
64742-65-0	Distillates, petroleum, solvent-dewaxed heavy paraffinic	79-100
39355-35-6	Paraffin oils	2-4
Proprietary	Calcium Long-Chain Alkylphenate Sulfide	1-2
68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	0.1-2.0

Section 4 - FIRST AID MEASURES

Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed.
Skin
IF ON SKIN: Wash with plenty of soap and water. Get medical attention, if needed.
Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention, if needed.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth.

Most Important Symptoms/Effects

Acute

May cause mild skin irritation. Contact with the eyes may be slightly irritating.

Delayed

May cause cancer.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing**.**

Unsuitable Extinguishing Media

Do not use high pressure streams. Water may be an ineffective extinguishing medium but should be used to cool fire-exposed containers.

Special Hazards Arising from the Chemical

Dense black smoke occurs during fire. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back

Hazardous Combustion Products

Burning may produce carbon monoxide and other organic compounds including oxides of carbon, oxides of phosphorus, oxides of sulfur, hydrogen sulfide, alkyl mercaptan, and other sulfides.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Stay away from the ends of tanks. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Keep unnecessary people away, isolate hazard area, and deny entry.

Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Avoid breathing vapor. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Isolate hazard area. Keep unnecessary people away, isolate hazard area and deny entry. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, spark proof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal. There may be specific regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see SECTION 15: REGULATORY INFORMATION.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Keep away from sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. These products have a low vapor pressure and are not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating these products, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with: Skin, eyes, clothing, shoes. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Read label before use. Do not handle until all safety precautions have been read and understood. Use Personal Protective equipment as required.

Conditions for Safe Storage, Including any Incompatibilities

Store locked up.

Keep container tightly closed and properly labeled. Store in a cool, dry, well-ventilated area. Store away from heat and direct sunlight. Avoid contact with strong oxidizers. Keep container sealed when not in use. Keep container sealed when not in use. Store and handle in accordance with all current regulations and standards. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Empty product containers may retain product residue and can be dangerous.

Incompatible Materials

Acids, oxidizing materials.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Distillates, petroleum, solvent-dewaxed heavy paraffinic	**64742-65-0**
ACGIH:	Exposure by all routes should be carefully controlled to levels as low as possible (related to Untreated and mildly-treated oils)
Paraffin oils	**39355-35-6**
ACGIH:	5 mg/m3 TWA (excluding metal working fluids, highly & severely refined) inhalable particulate matter
NIOSH:	5 mg/m3 TWA; 10 mg/m3 STEL; 2500 mg/m3 IDLH
OSHA (US):	5 mg/m3 TWA
Manitoba, Newfoundland & Labrador, Nova Scotia, Prince Edward Island,	5 mg/m3 TWA (excluding metal working fluids, highly & severely refined, inhalable particulate matter)
Ontario	5 mg/m3 TWA (pure, highly, and severely refined, excluding metal working fluids, inhalable); poorly and mildly refined, exposure by all routes should be carefully controlled to levels as low as possible, excluding metal working fluids

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

Engineering Controls

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

Respiratory Protection

A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4-M1982 requirements must be followed whenever workplace conditions warrant a respirator's use. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

Glove Recommendations

Where skin contact is likely, wear chemical impervious protective gloves; use of natural rubber or equivalent gloves is not recommended. When products are heated and skin contact is likely, wear heat-resistant gloves, boots, and other protective clothing. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

Protective Materials

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, gloves, lab coat or apron.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, amber liquid	**Physical State**	Liquid
Odor	Mild ,petroleum ,hydrocarbon odor	**Color**	Not available
Odor Threshold	Not available	**pH**	Not available
Melting Point	Not available	**Boiling Point**	>260 °C(approx)
Boiling Point Range	Not available	**Freezing point**	Not available
Evaporation Rate	(Negligible at ambient conditions)	**Flammability (solid, gas)**	Not available
Autoignition Temperature	Not available	**Flash Point**	218 °C (424 °F)
Lower Explosive Limit	Not available	**Decomposition temperature**	Not available
Upper Explosive Limit	Not available	**Vapor Pressure**	(Negligible at ambient conditions)

Vapor Density (air=1)	>1 at STP	**Specific Gravity (water=1)**	0.89
Water Solubility	(negligible)	**Partition coefficient: n-octanol/water**	Not available
Viscosity	87.15 cSt 40 °C (10.23 cSt at 100 °C or 212 °F)	**Kinematic viscosity**	Not available
Solubility (Other)	Not available	**Density**	7.428 lb/gal
VOC	0.017 % (1.297E-03 lb/gal)	**Molecular Weight**	Not available
Percent Solids by Weight	99.981 %		

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions

Will not polymerize.

Conditions to Avoid

Avoid direct sunlight, temperature extremes.

Incompatible Materials

Acids, oxidizing materials

Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, aldehydes, oxides of carbon, oxides of zinc, oxides of calcium, oxides of phosphorus, oxides of sulfur, hydrogen sulfide, alkyl mercaptans, other sulfides.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

May cause nausea, headache, or weakness.

Skin Contact

May cause mild irritation.

Eye Contact

Contact with the eyes may be slightly irritating.

Ingestion

No information on significant adverse effects.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)

Oral LD50 Rat >15000 mg/kg (no deaths occurred); Dermal LD50 Rabbit >5000 mg/kg (no deaths occurred) Inhalation LC50 Rat >2400 mg/m3 4 h (no deaths occurred)

Paraffin oils (39355-35-6)
Oral LD50 Rat >24 g/kg (related to Paraffin oils); Inhalation LC50 Rat 2062 ppm 4 h (related to Paraffin oils)

Product Toxicity Data

Acute Toxicity Estimate
Not available.

Immediate Effects
May cause mild skin irritation. Contact with the eyes may be slightly irritating.

Delayed Effects
May cause cancer.

Irritation/Corrosivity Data
May cause mild skin irritation. Contact with the eyes may be slightly irritating.

Respiratory Sensitization
Hot vapors may cause irritation.

Dermal Sensitization
Repeated or prolonged contact may cause skin sensitization.

Component Carcinogenicity
Product may cause cancer.

Germ Cell Mutagenicity
No information available for the product.

Tumorigenic Data
No information available for the product.

Reproductive Toxicity
No information available for the product.

Specific Target Organ Toxicity - Single Exposure
No information on significant adverse effects.

Specific Target Organ Toxicity - Repeated Exposure
No information on significant adverse effects.

Aspiration hazard
Not expected to be an aspiration hazard.

Medical Conditions Aggravated by Exposure
Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effects.

Component Analysis - Aquatic Toxicity

Distillates, petroleum, solvent-dewaxed heavy paraffinic	**64742-65-0**
Fish:	LC50 96 h Oncorhynchus mykiss >5000 mg/L
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L IUCLID
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	**68649-42-3**

Fish:	LC50 96 h Pimephales promelas 1 - 5 mg/L [static]; LC50 96 h Pimephales promelas 10 - 35 mg/L [semi-static]
Invertebrate:	EC50 48 h Daphnia magna 1 - 1.5 mg/L IUCLID

Persistence and Degradability

No information available for the product.

Bioaccumulative Potential

No information available for the product.

Mobility

No information available for the product.

Other Toxicity

No additional information is available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

Section 14 - TRANSPORT INFORMATION

US DOT Information: Not regulated for transportation.
IATA Information: Not regulated for transportation.
IMDG Information: Not regulated for transportation.
TDG Information: Not regulated for transportation.
International Bulk Chemical Code
This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories

Carcinogenicity

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Paraffin oils	**39355-35-6**	Yes	Yes	Yes	Yes	Yes

Not listed under California Proposition 65
Canada Regulations
Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products

which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Paraffin oils	**39355-35-6**
	1 % (related to Paraffin oils)

Component Analysis - Inventory

Distillates, petroleum, solvent-dewaxed heavy paraffinic (64742-65-0)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes

Paraffin oils (39355-35-6); Calcium Long-Chain Alkylphenate Sulfide (Proprietary)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes

Section 16 - OTHER INFORMATION

NFPA Ratings

Health: 0 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

New Issue SDS.

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC – European Commission; EEC -

European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of LIsts™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX – Mexico; NDSL – Non-Domestic Substance List (Canada); NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN NCI (Draft) - Vietnam National Chemicals Inventory (NCI) (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada) .

Other Information

Disclaimer:

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplied to the user.