SAFETY DATA SHEET

Prepared according to U.S. OSHA, CMA, ANSI, Canadian WHMIS regulations

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	**Winter Klenz ID**
PRODUCT NUMBER:	5757
PRODUCT DESCRIPTION:	Diesel Fuel Additive
U.N. NUMBER:	None
U.N. DANGEROUS GOODS CLASS:	Non-Regulated Material
SUPPLIER/MANUFACTURER'S NAME:	**Primrose Oil Company, Inc.**
ADDRESS:	11444 Denton Drive, P.O. Box 29665, Dallas, Texas 75229 USA
EMERGENCY PHONE:	1-800-633-8253 (For Emergencies Only)
BUSINESS PHONE:	1-972-241-1100 (For product information)
WEB SITE:	www.primrose.com
DATE OF PREPARATION:	August 7, 2013
DATE OF LAST REVISION:	November 12, 2010

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
This product is a pale yellow colored liquid with a mild petroleum odor.
HEALTH HAZARDS: Repeated or prolonged contact with skin may cause irritation. Contact with eyes can cause irritation. Inhalation of vapors or mist can cause irritation. May be harmful if swallowed.
FLAMMABILITY: This product is a Non-Flammable product with a flash point >200°F
ENVIRONMENTAL EFFECTS: The Environmental effects of this product have not been investigated, however this product contains ingredients that may cause adverse effects to aquatic life.

US DOT SYMBOLS

Non-Regulated

CANADA (WHMIS) SYMBOLS

GHS HAZARD SYMBOL(S)

Signal Word: **Warning!**

COMPONENTS DETERMINING HAZARDS:
2- Ethylhexyl Nitrate, Glycol Ether EB, Severely Hydrotreated Light Mineral Oil, Heavy Aromatic Solvent, Naphthalene, 1,2,4-Trimethyl Benzene, Vinyl Acetate, Cumene

GHS HAZARD CLASSIFICATION(S):
Carcinogen Category 2
Acute Oral Toxicity Category 4
Eye Irritation Category 2B
Acute Inhalation Toxicity Category 4
Acute Dermal Toxicity Category 4
Aspiration Hazard Category 1
Acute Aquatic Toxicity Category 1

HAZARD STATEMENTS:
May be fatal if swallowed and enters airway
Harmful if swallowed
Causes skin irritation
Causes eye irritation
Harmful if inhaled
May cause respiratory irritation
May cause drowsiness and dizziness
Suspected of causing cancer

PRECAUTIONARY STATEMENTS:
Avoid exposure
Use only with adequate ventilation.
Wash thoroughly after handling.
In case of an accident or if you feel unwell – seek medical advice and show label

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE:

INHALATION: Inhalation of vapor or mist may cause irritation.

EYE CONTACT: Direct eye contact can cause irritation with redness, tearing and blurred vision.

SKIN CONTACT: May cause skin irritation. Repeated or prolonged contact can cause defatting and drying.

INGESTION: Can cause gastrointestinal irritation. Aspiration hazard if swallowed and enters airways.

CHRONIC: Prolonged or repeated contact with product and poor hygiene conditions may result in dryness, dermatitis, erythema, oil acne. This product contains ingredients that are known carcinogens.

TARGET ORGANS: ACUTE: Eye, Skin, Respiratory System CHRONIC: Skin

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDS DISCLOSURE: This product does contain known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains known hazardous materials.

HAZARDOUS INGREDIENTS:	CAS #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
2-Ethylhexyl Nitrate	27247-96-7	20 – 30%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R37/38
2-Butoxyethanol	111-76-2	20 – 30%	HAZARD CLASSIFICATION: [Xn] Harmful, [Xi] Irritant RISK PHRASES: R20/21/22, R36/38
Severely Hydrotreated Light Mineral Oil	64742-46-7	5 – 15%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R37/38
Petroleum Additives Containing Ingredients Below	Mixture	35 – 45%	HAZARD CLASSIFICATION: [F] Flammable, [Xn] Harmful, [Xi] Irritant RISK PHRASES: R10, R20, R36/37/38, R65
Heavy Aromatic Solvent	64742-94-5	<30%	HAZARD CLASSIFICATION: [Xn] Harmful RISK PHRASES: R65
Naphthalene	91-20-3	<10%	HAZARD CLASSIFICATION: Carc Cat 3, [Xn] Harmful, [N] Dangerous to the Environment RISK PHRASES: R10, R22, R50/53
1,2,4-Trimethyl Benzene	95-63-6	<10%	HAZARD CLASSIFICATION: [F] Flammable, [Xn] Harmful, [Xi] Irritant RISK PHRASES: R10, R20, R36/37/38
Vinyl Acetate	108-05-4	<1%	HAZARD CLASSIFICATION: [F] Flammable RISK PHRASES: R11
Cumene	98-82-8	<1%	HAZARD CLASSIFICATION: [F] Flammable, [Xn] Harmful, [Xi] Irritant RISK PHRASES: R10, R65, R37

Each of the other components present are less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens)

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format.

SECTION 4 - FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation or blurred vision continues.

SKIN CONTACT: Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention immediately.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing skin disorders or respiratory conditions should avoid contact with this product.
RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: >200°F
AUTOIGNITION TEMPERATURE: Not Established
FLAMMABLE LIMITS (in air by volume, %): Lower (LEL): Not Established Upper (UEL): Not Established
FIRE EXTINGUISHING MATERIALS: Dry chemical, carbon dioxide, foam. Do not use forced stream as this could cause fire to spread.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known
Explosion Sensitivity to Mechanical Impact: Not Sensitive.
Explosion Sensitivity to Static Discharge: Not Sensitive
SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA Rating System

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations. Contain and recover liquid if possible. Use non-sparking tools and equipment. Cover spilled liquid with sand, earth or other non-combustible absorbent material. Pickup spilled material immediately and place in appropriate containers. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).
Do not discharge to sewers and surface waters. Notify authorities if entry occurs.
U.S. Regulations (CERCLA) requires reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product on you. Wash thoroughly after handling this product. Use in a well-ventilated location.

STORAGE AND HANDLING PRACTICES: Store containers in a cool, dry location. Keep away from sources of ignition. Keep container tightly closed when not in use. Protect from physical damage.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA
2-Ethylhexyl Nitrate	27247-96-7	Not Listed	Not Listed
2-Butoxyethanol	111-76-2	20 ppm	50 ppm
Severely Hydrotreated Light Mineral Oil	64742-46-7	5 mg/m³ Oil Mist	5 mg/m³ Oil Mist
Heavy Aromatic Solvent	64742-94-5	100 ppm	100 ppm
Naphthalene	91-20-3	10 ppm	10 ppm
1,2,4-Trimethyl Benzene	95-63-6	25 ppm	Not Listed
Vinyl Acetate	108-05-4	Not Listed	Not Listed
Cumene	98-82-8	50 ppm	50 ppm

Currently, International exposure limits are not established for all the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapors.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Not normally required when using this product. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93.

EYE PROTECTION: Wear safety glasses or chemical goggles as appropriate were splashing is possible. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Wear chemical resistant gloves as appropriate to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Use body protection appropriate to prevent skin contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
APPEARANCE & ODOR:	Pale yellow colored liquid with a mild petroleum odor
ODOR THRESHOLD (PPM):	Mild
VAPOR PRESSURE (mmHg):	<10 mm@ 30°C
VAPOR DENSITY (AIR=1):	>5
EVAPORATION RATE (nBuAc = 1):	Not Available
BOILING POINT (C°):	>415°F
FREEZING POINT (C°):	Not Available
pH:	Not Available
SPECIFIC GRAVITY 20°C: (WATER =1)	0.9
SOLUBILITY IN WATER (%)	Partial
VOC:	Not Available

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable

DECOMPOSITION PRODUCTS: When heated to decomposition this product produces oxides of carbon and nitrogen including CO and CO2, and some metallic oxides.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Contact with incompatible materials and ignition sources

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Toxicity data is available for the following components:

CAS# 64742-46-7
No LD50 Data Available
CAS# 111-76-2
No LD50 Data Available
CAS# 27247-96-7
Oral, Rat; LD50 = >10000 mg/kg
Dermal, Rabbit; LD50 = 5000 mg/kg
CAS# 64742-94-5
Oral, Rat; LD50 = 2,000 mg/kg
CAS# 95-63-6:
Inhalation, rat: LC50 = 18000 mg/m3/4H;
Oral, mouse: LD50 = 6900 mg/kg;
Oral, rat: LD50 = 5 gm/kg;

SUSPECTED CANCER AGENT: One or more of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is considered to be, or suspected to be a cancer-causing agent by these agencies.
Naphthalene CAS# 91-20-3
ACGIH: A4, IARC: 2B, NTP: Possible
Vinyl Acetate CAS# 108-05-4: ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans
California: Not listed. NTP: Not listed. IARC: 2B
Note: The severely hydrotreated light mineral oil ingredient is not considered a potential carcinogen based on IP346 DMSO of less than 3.0 wt%.
IRRITANCY OF PRODUCT: Contact with this product can be irritating to skin, respiratory system and eyes.
SENSITIZATION OF PRODUCT: Ingredients in this product are not considered a sensitizer.
REPRODUCTIVE TOXICITY INFORMATION: No information available

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
ENVIRONMENTAL STABILITY: No specific data is available for this product, however this product is not expected to be readily biodegradable
EFFECT OF MATERIAL ON PLANTS or ANIMALS: If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress in birds and mammals through ingestion during pelage grooming.
EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence is currently available on this product's effects on aquatic life. This product does contain ingredients that are considered hazardous to aquatic organisms.

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:
THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.
PROPER SHIPPING NAME: Non-Regulated Material
HAZARD CLASS NUMBER and DESCRIPTION: None
UN IDENTIFICATION NUMBER: None
PACKING GROUP: None
DOT LABEL(S) REQUIRED: None
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): None
MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)
U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:
This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.
TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:
This product is not classified as Dangerous Goods, per regulations of Transport Canada.
INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):
This product is not classified as Dangerous Goods, by rules of IATA:
INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:
This product is not classified as Dangerous Goods by the International Maritime Organization.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS
SARA REPORTING REQUIREMENTS: This product is subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows:
This material contains Naphthalene, <3% (CAS# 91-20-3), 1,2,4-Triethyl benzene, <3% (CAS# 95-63-6), Vinyl

Acetate, <1% (CAS# 108-05-4), Cumene, <1% (CAS# 98-82-8), 2-Butoxyethanol <30% (CAS# 111-76-2) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: Yes Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): CAS# 91-20-3: 100 lb final RQ

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): One or more of the ingredients are on the California Proposition 65 lists.

Warning: This product contains ingredients known to the State of California to cause cancer or reproductive harm.

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This is considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and is therefore subject to the labeling and MSDS requirements of the Workplace Hazardous Materials Information System (WHMIS).Class D2B Materials having other toxic effects.

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed or Exempt
Australian Inventory of Chemical Substances (AICS):	Listed or Exempt
Korean Existing Chemicals List (ECL):	Listed or Exempt
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed or Exempt
Philippines Inventory if Chemicals and Chemical Substances (PICCS):	Listed or Exempt
Swiss Giftliste List of Toxic Substances:	Listed or Exempt
U.S. TSCA:	Listed

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett MSDS Authoring PLUS

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