Abnie Paidar Sabz
Water & Wastewater
Environmental Management

MATERIAL SAFETY DATA SHEET
Complies with OSHA Hazard Communication
And WHIMS Standard 29 CFR 1910-1200

ابنیه پایدار سبز
پالایش آب و فاضلاب
مدیریت محیط زیست

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Product Name: Synthetic Polyol Ester Oil (POE 32 & 68)	**Product Numbers: 45-007/8/9/10/11/12**

I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: ComStar International Inc. **Tel:** 718-445-7900, 800-328-0142
Address: 20-45 128th Street, College Point, NY 11356 **Fax:** 718-353-5998

Chemical Name: Blended Formula
Synonym(s): Compressor Oil

II - INGREDIENTS/IDENTITY INFORMATION

COMPONENTS	OSHA PEL	ACGIH TLV	CAS NO.
Non-hazardous mixture of synthetic polyol ester	not est.	not est.	None

III - HAZARDS IDENTIFICATION

NFPA Hazard Ratings: Health – 0, Flammability – 1, Chemical Reactivity - 0
HMIS Hazard Ratings: Fire – 1, Health – 0, Reactivity – 0, Specific – 0

NOTE: NFPA and HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

IV - FIRST-AID MEASURES

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Eyes: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.
Skin: Remove contaminated clothing, wash affected skin with soap and water immediately. Get medical attention if symptoms occur.
Ingestion: Drink plenty of water. Get immediate medical attention.

V - FIRE FIGHTING MEASURES

Flash Point (° F): 250 C **Flammability Limit:** **LET** not est. **UEL** not est.
Extinguishing Media: Use water fog, dry chemical or CO2. Do not use a direct stream of water.
Special Fire Fighting Procedures: Do not enter confined fire space without proper protective equipment including a NIOSH approved self-contained breathing apparatus.
Hazardous Combustion Products: Unknown
Unusual Fire and Exposure Hazards: Burning liquid will produce toxic and irritating fumes.

VI - ACCIDENTAL RELEASE MEASURES

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.
For Large Spills: Flush spill area with water spray. Prevent run-off from entering drains, sewers, or streams, collect run-off.

VII - HANDLING AND STORAGE

Personal Precautionary Measures: Avoid contact with eyes and skin. Wash thoroughly after handling. Do not breathe vapors or fumes.
Prevention of Fire and Explosion: Keep from contact with oxidizing materials, alkalis and acids. Store away from heat, sunlight and moisture.

VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:
ACGIH Threshold Limit Value (TLV): see section II
OSHA (USA) Permissible Exposure Limit (PEL): see section II
Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, evaporation from large surfaces, spraying, heating, etc.
Respiratory Protection: If engineering controls do not maintain airborne concentrations to an acceptable level, a NIOSH approved respirator must be worn.
Respirator Type: Organic vapor. If respirators are used, a program should be instituted to assure Compliance with OSHA Standard 29 CFR 1910.134.
Eye Protection: Wear safety glasses with side shields (or goggles) and a face shield.
Skin Protection: It is a good industrial hygiene practice to minimize skin contact.
Recommended Decontamination Facilities: eye bath, washing facilities

IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (° F): N.A.
Vapor Pressure @ 70 ° F: N.A.
Vapor Density (Air = 1): N/A
Solubility in Water: <0.1%
Appearance & Odor: Light clear oil, Slight odor
Odor Threshold: not available
Volatile Fraction by Weight: N/A
Viscosity at 40° C: 22-220 cSt
Octanol/ Water Partition Coefficient: N/A
Auto ignition Temperature (ASTM D 2155): N/A

Specific Gravity (H_2o = 1) : 0.96-1.0
Melting Point: N/A
Evaporation Rate:
(Butyl Acetate = 1): > 1

X - STABILITY AND REACTIVITY

Stability: Product is considered stable.
Conditions to Avoid: See below
Hazardous Polymerization: Will not occur
Conditions to Avoid: See below
Incompatibility (Material to avoid) : Avoid heat open flames, oxidizing materials and mist formation.
Hazardous Decomposition or Products: Carbon monoxide and unidentified organic compounds may be formed during combustion.

XI - TOXICOLOGICAL INFORMATION

Inhalation: Low hazard for usual industrial handling by trained personnel.
Eyes: Causes irritation.
Skin: Low hazard for usual industrial handling by trained personnel, see label warnings.
Ingestion: Components are of low oral toxicity.
Acute Toxicity Data:
Oral LD-50 (rabbit): not available
Inhalation LC-50: not available

XII - ECOLOGICAL INFORMATION

Introduction: Leaks should be stopped. Spills should be contained and cleaned up immediately. Large liquid spills should be removed by using a vacuum truck. Solid spills should be scooped up and placed in approved containers for disposal. The spill area should then be flushed with water followed by liberal covering of sodium bicarbonate. All clean-up material should be removed and placed in approved containers, labeled and stored in a safe place to await proper treatment or disposal. Spills on areas other than pavement, e.g., dirt or sand, may be handled by removing the affected soils and placing in approved containers. Persons performing clean-up work should wear adequate personal protective equipment and clothing. Spills or releases should be reported, if required, to the appropriate local, state and federal regulatory agencies. Not anticipated to be harmful to aquatic species.

XIII - DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Check with state and local officials before disposal.

XIV - TRANSPORT INFORMATION

DOT (USA) Status: not regulated
TDG (Canada) Status: not regulated
Air – International Civil Aviation Organization (ICAO)
ICAO Status: Check with air freight forwarder for ruling. Class 004
Sea – International Maritime Dangerous Goods
IMDG Status: not regulated

XV - REGULATORY INFORMATION

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 910.1200.
OSHA hazardous chemical(s): trade secret (blended formula).

Massachusetts Substance List: none.
New Jersey Workplace Hazardous Substance List: none
Pennsylvania Hazardous Substance List: none

This document has been prepared in accordance with the MSDS requirements of the WHMIS Controlled Products Regulation.
WHMIS (Canada) Ingredient Disclosure List: trade secret (blended formula).
WHMIS (Canada) Status: not listed.
WHMIS (Canada) controlled material(s): not listed.
WHMIS (Canada) Hazard Classification: not classified.

Carcinogenicity Classification (components present at 0.1% or more): None

International Agency for Research on Cancer (IARC): Not listed
American Conference of Governmental Industrial Hygienist (ACGIH): Not listed
National Toxicology Program (NTP): not listed
Occupational Safety and Health Administration (OSHA): Not listed

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: None.

SARA (U.S.A.) Sections 311 and 312 hazard classification(s): Not listed.

NOTE: *The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.*