



MATERIAL SAFETY DATA SHEET

Prepared in accordance with ISO 11014-1/ ANSI standard
Z400.1-2004

Revision Date: 2/28/2013

MSDS No.: ND3562

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: EZ-Drive 300

Synonyms: None

Use of the Substance/Preparation: Lubricant

Supplier:

ND Industries, Inc.
1893 Barrett Road
Troy, Michigan 48084
Tel: (248) 288-0000
Fax: (248) 288-0022

Emergency Telephone Number: 24 hr. EMERGENCY CHEMTREC 1-800-424-9300
24 hr. CHEMTREC INTERNATIONAL +1-703-527-3887

2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW-
Caution:**

Liquid. May cause eye irritation. Avoid eye contact. May cause skin irritation. May cause sensitization by skin contact. May cause respiratory tract irritation. Avoid breathing vapors. Harmful if swallowed.

Principle Routes of Exposure:

Eyes, Inhalation, Ingestion. Skin

POTENTIAL HEALTH EFFECTS:

Eye Contact:

May cause eye irritation.

Skin Contact:

Prolonged or repeated contact may cause skin irritation. May be absorbed through the skin with possible systemic effects. Avoid prolonged or repeated skin contact.

Inhalation:

May cause respiratory tract irritation.

Ingestion:

Not expected to be route of exposure under normal industrial use conditions.

Carcinogenic Effects:

No data available on product itself.

Target Organ Effects:

No data available on product itself.

**Medical Conditions Aggravated by
Exposure:**

No data available on product itself.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EINECS Number	Weight %	EU Classification
Paraffin wax	8002-74-2	232-315-6	15-20	Not Classified

Polyethyleneimine	Mixture	NA	10-15	Not Classified
Silicon dioxide	112945-52-5	NA	<3	Not Classified

4. FIRST AID MEASURES

Skin Contact: Immediately wash affected are with soap and water. Remove contaminated clothing and wash before re-use. Seek medical attention if irritation persists.

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Ensure adequate flushing of the eye s by separating the eye lids with fingers. Seek medical attention if irritation persists.

Inhalation: Move person to fresh air. If not breathing give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion: If swallowed seek immediate medical attention. Do not induce vomiting unless directed to do so by medical personnel.

5. FIRE AND IGNITION INFORMATION

Flash Point: Not determined.

Explosion Limits in Air – Upper (%): Not established.

Explosion Limits in Air – Lower (%): Not established.

Auto-ignition Temperature: Not established.

Extinguishing Media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Do not use direct water stream. May spread fire.

Special Protective Equipment for Firefighters: Fire fighters should wear appropriate protective equipment including self-contained breathing apparatus with full face piece, operated in positive pressure mode.

Hazardous Decomposition and/or Combustion Products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Carbon monoxide, carbon dioxide, and nitrogen oxides.

Risk of Dust Explosion: Not applicable in supplied form.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Only trained personnel should clean a chemical spill. Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Work in a well-ventilated area. Avoid breathing vapor

Methods for Cleaning Up: Spill should be cleaned up immediately. Eliminate ignition sources. Evacuate non-emergency personnel. Isolate the area and prevent access. Ensure adequate ventilation. Absorb with inert absorbent material (sand, diatomite, acid binders, universal binders,). Collect with non-sparking tools and transfer to a suitable waste container. The waste can then be dispose of in accordance with all applicable local, state, and federal regulations. Ensure adequate ventilation.

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Environmental Precautions: Do not allow spilled material into rivers, sewers, drains or other water sources.

7. HANDLING AND STORAGE

Handling:	Avoid skin and eye contact. Wear appropriate personal protective equipment. Avoid breathing vapors. Work in a well-ventilated area. Do not ingest. Use proper grounding procedures. Safety showers and eyewash stations should be available for use in the immediate work area. Wash hands after using this product, and before eating, drinking smoking or using the lavatory.
Storage:	Store in a cool, dry and well ventilated location. Keep out of direct sunlight. Keep container closed when not in use. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

No exposure limits have been established for this product.

ENGINEERING CONTROLS

Use only with adequate ventilation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) stated above. The use of both general dilution and local exhaust ventilation is recommended to control airborne exposures to mist, vapor, or spray. Do not use in a confined area or areas with little or no air movement.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection:	When atmospheric levels may exceed the exposure guideline, use a NIOSH approved air-purifying respirator. Use a respirator that has been selected by an industrial hygienist or other technically qualified person for the specific work conditions. If respirators are used, OSHA requires compliance with its respirator program. For situations where atmospheric levels may exceed the level for which an air-purifying respirator is effective, use positive-pressure air-supplying respiratory (air-line or self-contained breathing apparatus).
Hand Protection:	Use gloves chemically resistant to this material. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment.
Eye Protection:	Wear safety glasses with side shields. Chemical safety goggles and face shield should be used if splash hazard exists. Eyewash fountain should be located in the immediate work area.
Skin and Body Protection:	Wear chemical resistant clothing suitable to the job. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment.
Other:	Eyewash and quick-drench facilities should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid. Color varies
Odor:	Waxy.
pH:	Not established.
Vapor Pressure:	Not established.
Boiling Point/Range:	Not established.
Melting Point/Range:	Not established.
Water Solubility:	Dispersible.
Specific Gravity:	Not established.

% Volatile (by Volume): Not established.
Evaporation Rate: Not established.
Viscosity: Not established.

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous Polymerization: Will not occur.
Mechanical Sensitivity (shock): None.
Conditions to Avoid: Strong oxidizers, acids, and excessive temperatures. Do not store near heat, open flames, or other ignition sources.
Hazardous Decomposition and/or Combustion Products: Carbon monoxide, carbon dioxide, and nitrogen oxides
Static Discharge Effects: Not Applicable.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Oral LD50: No data available on product itself. .
Inhalation LC50: No data available on product itself.
Dermal LC50: No data available on product itself.
Eye Irritation: No data available on product itself.
Skin Irritation: No data available on product itself.

CHRONIC TOXICITY

Carcinogenic Effects: No data available on product itself.
Mutagenic Effects: No data available on product itself.
Reproductive Toxicity: No data available on product itself.
Sensitizing Effects: No data available on product itself.
Synergistic Materials: No data available on product itself.

12. ECOLOGICAL INFORMATION

Information given is based on data on the components and the toxicology of similar products.

Aquatic Toxicity: No data available on product itself.

Contains Polyethyleneimine:

Toxicity to fish:
LC50, 96hr, 7.1 mg/l Brachydanio rerio, OECD203; ISO 7346; 92/96EEC, C.1, Static Nominal concentration

Aquatic invertebrates:
EC50, 48 h, 8.84 mg/l, Daphnia magna, OECD Guideline, 202, part 1, Static, Nominal concentration

Microorganisms/Effects on activated sludge:
EC20, 0.5 h, 60 mg/l, activated sludge, DIN/EN/ISO8192-OECD 209-88/302/ECC,P.C Depending on local conditions and existing concentrations, disturbances in the biodegradation process of activated sludge are possible.

ENVIRONMENTAL FATE

Mobility:	No data available on product itself.
Bioaccumulation:	No data available on product itself.
Persistence / Degradability:	No data available on product itself. Polyethyleneimine – Elimination Information: Approx. 50 – 60 % DOC reduction (28d) (OEC Guideline 302 B) (aerobic, activated sludge, domestic) Moderately/partially eliminated form water
Distribution to Environmental Compartments:	No data available on product itself.

13. DISPOSAL CONSIDERATIONS

Disclaimer: Information in this section pertains to the product as shipped in its intended composition as described in Section 2 of this MSDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

RCRA Classification (40 CFR 261): Dispose of in accordance with all applicable local, state, and federal regulations.

Unused and Uncontaminated Product: Dispose of in accordance with all applicable local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

DOT:

Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.(Polyethyleneimine)

Hazard Class: 9

Identification Number: UN3082

Packing Group: III

15. REGULATORY INFORMATION

Hazard Classification

United States – OSHA (29 CFR 1910.1200): This product is considered hazardous under OSHA.

International Inventories

All components of this product are listed on or exempt from the following inventories:

- (yes) - Domestic Substances List (DSL)
- (yes) - European Inventory of Existing Commercial Substances (EINECS)
- (yes) - United States Toxic Substances Control Act (TSCA) Inventory

U.S. Federal Regulations

TSCA 12(b) Export Notification: None.

Clean Air Act amendments of 1990 (CAA, Section 11240: CFR 82): Contains no hazardous air pollutants.

Clean Water Act (CWA, 40 CFR 116): Contains no priority pollutants.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, 40 CFR 302): None.

Superfund Amendments and Reauthorization Act, Title III (SARA):

SARA Section 302 (40 CFR 355) Extremely Hazardous Substances: Contains no extremely hazardous substances.

SARA Section 311/312 (40 CFR 370) Hazard Category: Acute

SARA Section 313 (40 CFR 372) Toxics Release Inventory: None.

Pharmaceutical Information: No data available on product itself.

U.S. State Regulations

California Proposition 65: This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive harm.

16. OTHER INFORMATION

HMIS Rating

HMIS Index: *- chronic, 0 – Minimal, 1 – slight, 2- moderate, 3 – serious, 4 –severe	
Health:	1
Flammability:	0
Physical Hazard	0

Additional Contacts:

Prepared by:	ND Industries, Inc. – Safety, Health and Environmental Affaires
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