



MATERIAL SAFETY DATA SHEET



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

Revision Date: 9/24/2010

MSMS 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

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW-DANGER:

Flammable liquid. Causes eye irritation. Avoid eye contact. May cause skin irritation. May be harmful in contact with skin. May cause respiratory tract irritation. Avoid breathing vapors.

Principle Routes of Exposure:

Skin, eyes, inhalation.

POTENTIAL HEALTH EFFECTS:

Eye Contact:
Skin Contact:

Causes eye irritation.
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. May cause drowsiness and dizziness.

Ingestion:

Not expected to be route of exposure under normal industrial use conditions. Ingestion causes gastrointestinal irritation.

Carcinogenic Effects:

No data available on product itself. Contains no known carcinogens.

Target Organ Effects:
Medical Conditions Aggravated by Exposure:

No data available on product itself.

No data available on product itself. Persons with pre-existing skin disorders or impaired liver, kidney, or pulmonary function may be more susceptible to the effects of isopropyl alcohol.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EINECS Number	Weight %	EU Classification
Water	7732-18-5	231-791-2	80-90	n/a
Paraffin wax	8002-74-2	232-315-6	5-10	n/a
Isopropyl alcohol	67-63-0	200-661-7	4-7	F, Xi: R11; R36, R67

4. FIRST AID MEASURES

Skin Contact: Wash affected area with plenty of soap and water, for at least 15 minutes. If irritation develops or persists, seek medical attention.

Eye Contact: Flush eyes with plenty of water for at least 20 minutes. If irritation develops seek medical attention.

Inhalation: Remove to fresh air. If not breathing provide artificial respiration. Seek medical attention.

Ingestion: Give one glass of water. DO NOT induce vomiting. If vomiting occurs spontaneously place head below hips to avoid aspiration into lungs. Seek immediate medical attention.

5. FIRE AND IGNITION INFORMATION

Flash Point 106°F (41.1°C)
Explosion Limits in Air – Upper (%): 2.0
Explosion Limits in Air – Lower (%): 12.7
Auto-ignition Temperature: >750°F (>399°C)
Extinguishing Media: Water Spray, dry chemical, foam, or carbon dioxide.
Special Protective Equipment for Firefighters: Fire fighters should wear full protective gear, including self contained breathing apparatus.
Hazardous Decomposition and/or Combustion Products: Carbon monoxide, carbon dioxide, and nitrogen oxides.
Risk of Dust Explosion: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Only trained personnel should a spill. Ventilate spill area. Wear suitable personal protective equipment.

Methods for Cleaning Up: Absorb spills using inert material, such as, vermiculite, dry sand, or earth. Collect absorbed material into appropriate container for disposal.

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

7. HANDLING AND STORAGE

Handling: Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid breathing vapors. Use proper bonding and grounding.

Storage: Store in a cool, dry, ventilated location, away from direct sunlight. Keep container tightly closed when not in use. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Exposure limits for those components with limits are stated below.

Paraffin wax:	US OSHA PEL: 15 mg/m ³ (Nuisance dust) US ACGIH – TLV: 10 mg/m ³ (Particulate-not otherwise specified)
Isopropyl alcohol:	US OSHA PEL: 400 ppm (TWA) US ACGIH – TLV: 200 ppm (TWA)

PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value

TWA: Time Weighted Average

US ACGIH: United States American Conference of Governmental Industrial Hygienists

US OSHA: United States Occupational Safety and Health Administration

ENGINEERING CONTROLS

Provide general and/or local exhaust ventilation to control airborne levels below stated exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection:

Hand Protection:

Eye Protection:

Skin and Body Protection:

Other:

Wear appropriate chemical resistant protective gloves.
Wear chemical splash goggles where splashing is possible.
Wear suitable protective clothing.
Eyewash and quick-drench facilities should be available in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Cream color liquid.
Odor:	Waxy.
pH	Not established.
Vapor Pressure:	Not established.
Boiling Point/Range:	Not established.
Melting Point/Range:	Not established.
Water Solubility:	Dispersible.
Specific Gravity:	0.982
% 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:	Use proper bonding and grounding when handling this product.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Oral LD50: No data available on product itself. Contains isopropyl alcohol; Oral Rat LD50: 5045 mg/kg.
Inhalation LC50: No data available on product itself. Contains isopropyl alcohol; Inhalation Rat LC50: 16,000 ppm/8hour.
Dermal LC50: No data available on product itself. Contains isopropyl alcohol; Skin Rabbit LD50: 12800 mg/kg.
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. Contains no known sensitizers.
Synergistic Materials: No data available on product itself. Contains isopropyl alcohol; Persons with pre-existing skin disorders or impaired liver, kidney, or pulmonary function may be more susceptible to the effects of isopropyl alcohol.

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 isopropyl alcohol: the LC50/96-hour values for fish are over 100 mg/l. This material is not expected to be toxic to aquatic life.

ENVIRONMENTAL FATE

Mobility: No data available on product itself.
Bioaccumulation: No data available on product itself.
Persistence / Degradability: No data available on product itself.
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 federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

DOT:
Shipping Name: Flammable Liquid, N.O.S. (Isopropyl alcohol)
Hazard Class: 3
Identification Number: UN1993
Packing Group: II

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, chronic, fire.

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

Pharmaceutical Information: Not permitted.

U.S. State Regulations

California Proposition 65: This product contains or may contain 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: 2

Physical Hazard: 0

Additional Contacts:

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