

MATERIAL SAFETY DATA SHEET

State Chemical Manufacturing Company
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State Chemical Ltd.
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **ENHANCE PLUS**
Product Description: A formulated car and truck wash with wax.

24 Hour Emergency CHEMTREC Number: 800-424-9300
MSDS Number: 103188

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>
Ethylene Glycol Monobutyl Ether	111-76-2	< 5.0%
Diethanolamine	111-42-2	< 5.0%
Polyoxyethylene Decyloxypropylamine, Branched Alcohols	68478-95-5	< 5.0%
Dicoco Dimethyl Ammonium Chloride	61789-77-3	< 5.0%
Secondary Alcohol Ethoxylate	84133-50-6	< 2.0%
Isopropanol	67-63-0	< 2.0%
Nonionic Surfactant	127087-87-0	< 2.0%
Propylene Glycol	57-55-6	< 2.0%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

May be harmful if swallowed. May cause eye, skin and respiratory irritation.

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause eye irritation.

Skin Contact: May cause skin irritation. Avoid prolonged skin contact. Contains 2-Butoxyethanol which may be absorbed through skin. Contains Propylene Glycol. Some cases of sensitization have been reported with Propylene Glycol. May cause skin irritation. Prolonged contact may cause dermatitis of the skin.

Inhalation: May cause irritation of the respiratory tract. May cause headache, nausea, vomiting, dizziness, and drowsiness.

Ingestion: May be harmful if swallowed. May cause headache, dizziness, in-coordination, nausea, vomiting, diarrhea, and general weakness.

General: May aggravate existing lung and skin conditions. Long term exposure to 2-Butoxyethanol may cause blood cell abnormalities; lung, liver, kidney or nervous system damage.

4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes. Contact a physician if symptoms persist.

Skin Contact: Promptly wash with soap and water and rinse thoroughly. Remove contaminated clothing and shoes. Launder clothing before reuse.

Inhalation: Remove to fresh air. If irritation persists, consult a physician.

Ingestion: Give two glasses of water, do not induce vomiting. Never give anything to an unconscious person. Contact a physician immediately.

5. FIRE FIGHTING MEASURES

Flashpoint: None to boiling point.

Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA Autoignition Temperature: NA

Flammable Properties: NA

Extinguishing Media: Carbon Dioxide, water, dry chemical and foam.

Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of heat, sparks or open flames. Ventilate area. Absorb spill on oil absorbent, sand or vermiculite. Small spills can be flushed to the drain with large amounts of water. For large spills, halt spill at source, dike and contain spill. Use absorbent to pick up residue and dispose of properly. Avoid discharge to natural waters. Dispose of in accordance with Federal, State and Local regulations regarding waste disposal.

7. HANDLING AND STORAGE

Handling: This product is for industrial use only. This product contains trace quantities of Ethylene Oxide (CAS #75-21-8), which creates the potential for accumulation of ethylene oxide in the headspace of shipping and storage containers. Although concentrations are expected to remain below established exposure limits, provide adequate ventilation when accessing or working with open containers and tanks. Do not take internally. Keep from freezing. Keep out of reach of children. Wash hands thoroughly after handling.

Storage: Keep out of reach of children. Keep containers closed when not in use. Store in a well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use general or local ventilation to keep exposure levels below exposure limits.

Personal Protective Equipment:

Respiratory: Typically not required.

Eye: Safety glasses or goggles with unperforated sideshields are recommended. Wear chemical goggles where splashing may occur.

Skin: Wear chemically impervious gloves if prolonged or repeated contact will occur.

Other: An emergency eyewash must be readily accessible to the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear yellow	Odor:	Morning Fresh
Physical State:	Liquid	pH:	10.0 +/- 0.3
Vapor Pressure:	NA	Vapor Density:	NA
Boiling Point:	218°F; 103°C	Freezing/Melting Point:	32°F; 0°C
Solubility in Water:	Complete.	Specific Gravity:	1.000 +/- 0.002
Density:	8.30 lbs/gal	VOC Content:	NA
Percent Volatile:	> 80% by weight.	Evaporation Rate:	NA

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur.
Conditions to Avoid: None.
Incompatibility: None expected.
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION

This product contains no ingredients listed as a carcinogen in quantities greater than or equal to 0.1%.

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the Federal, State, and Local regulations regarding waste disposal.

14. TRANSPORT INFORMATION

DOT Shipping Data: Not Regulated.
Canadian TDG: Not Regulated.

15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.
CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.
Proposition 65: This product contains a chemical known to the state of California to cause cancer (Ethylene Oxide 75-21-8).
SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR372):

<u>CHEMICAL NAME</u>	<u>CAS #</u>
2-Butoxyethanol (Glycol Ether)	111-76-2
Diethanolamine	111-42-2

HMS RATING: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0 PPE = A

WHMIS RATING: Class D, Division 2b

16. OTHER INFORMATION

NA = Not Available or Not Applicable

Read and follow all label directions and precautions before using the product. This product is intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION: (216) 861-7114

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