



## SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

### SECTION 1. IDENTIFICATION

Product Identifier: Performance Plus Liquid Laundry Detergent  
Product Use: Liquid Laundry Detergent  
Manufactured By: Kor-Chem, Inc.  
5800 Bucknell Drive  
Atlanta, GA 30336  
Manufactured For: R.J. Schinner Co., Inc.  
N89W14700 Patritia Drive  
Menomonee Falls, WI 53051

Product Identification # (PIF): 01258  
Emergency Telephone #: 1-800-255-3924 ChemTel

General Information #: 262-797-7180  
Date Prepared: October 1, 2014  
Date Revised: January 28, 2016

### SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: WARNING

Hazard Statement	Category	Code	Hazard Class
Harmful if swallowed	4	H302	Acute Toxicity, Oral
May be harmful if swallowed and enters airways	2	H305	Aspiration Hazard
Causes skin irritation	2	H315	Skin Irritation
Causes eye irritation	2B	H320	Eye Irritation
May cause damage to organs through prolonged or repeated exposure	2	H373	STOT, Repeated Exposure

Precautionary Measures:

Category	Code	Statement
Prevention	P260 P264 P270 P280	Do not breathe fumes/mists/vapors/sprays. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301+P310 P330+P331 P302+P352 P321 P332+P313 P362 P305+P351+P338 P337+P313 P314	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting. IF ON SKIN: Wash with soap and water. Specific treatment: See Section 4 First Aid Measures. If skin irritation occurs: Get medical attention/advice. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. If eye irritation persists: Get medical advice/attention. Get medical advice/attention if you feel unwell.
Storage	P405	Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Description of hazards not otherwise classified: Repeated or prolonged skin contact may cause dermatitis (skin drying). Mists or high vapor concentrations may cause irritation to respiratory tract, and central nervous system depression – Symptoms may include headache, dizziness, nausea, euphoria, drowsiness and fatigue. If swallowed, may cause central nervous system depression, liver and kidney damage. Swallowing large amounts may be fatal. CAUTION: Contains material that caused birth defects in rats and mice. Avoid exposure during pregnancy.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Surfactant blend	Proprietary	Proprietary	4 – 8
1,2-Ethanediol	Ethylene glycol	107-21-1	1 – 4
2-butoxyethanol	Ethylene glycol monobutyl ether	111-76-2	1 – 4
2-(2-Butoxyethoxy) ethanol	Diethylene glycol monobutyl ether	112-34-5	1 – 4

### SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.

Skin: Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, seek medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.

Ingestion: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

#### SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Class IIIB Combustible liquid

Flash Point: Above 200°F (93°C)

Extinguishing Media: Foam, dry chemical, carbon dioxide fire extinguishers, water fog or spray. Do not spray water directly on fire. Use water spray to cool containers.

Specific hazards arising from chemical: None known.

Hazardous combustion products: Oxides of carbon and nitrogen, ketones and aldehydes.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is Class IIIB combustible.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Do not breathe fumes/mists/vapors/sprays. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

For Small Spills: Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

#### SECTION 7. HANDLING AND STORAGE

Handling: Wear personal protection equipment (Section 8). Use with adequate ventilation. Do not breathe fumes/mists/vapors/sprays. Avoid exposure during pregnancy. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not premix with other chemicals. Do not eat, drink or smoke in work areas. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container closed when not in use. Protect from physical damage. Store locked up. Store away from strong oxidizing agents, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

#### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	TLV	STEL
Surfactant blend	Proprietary	Not established	Not established	Not established
1,2-Ethenediol	107-21-1	50ppm	100mg/m3	Not established
2-butoxyethanol	111-76-2	50ppm	20ppm	Not established
2-(2-Butoxyethoxy) ethanol	112-34-5	50ppm	20ppm	Not established

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eyes: Safety glasses with side shields or splash proof goggles.

Skin: Chemical resistant gloves. Normal materials handling clothing.

Respirator: Use NIOSH approved protection with organic vapor cartridge if PEL is exceeded or if vapors/mists/sprays are causing irritation.

Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Waterlily/jasmine	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density (Air = 1)	Not determined
pH	7.5 – 8.5	Specific gravity (water = 1.0)	1.010 g/ml
Melting point	Not determined	Solubility	Complete in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	200°F (93°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity (#2 Zahn)	Not determined
Flammability	Class IIIB Combustible	VOC by weight	2.5%

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Incompatibility with other substances: Avoid strong oxidizing agents, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

Hazardous combustion products: Oxides of carbon and nitrogen, ketones and aldehydes.

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Toxicity:

Oral (LD50 Rat): >5000mg/kg

Dermal (LD50 Rabbit): >2000mg/kg

Inhalation (LC50 Rat): Not determined

Skin corrosion/irritation: Skin irritant. Symptoms may include skin reddening, swelling and itching. Prolonged contact may cause skin drying (dermatitis).

Serious eye damage/irritation: Eye irritant. Symptoms may include a burning sensation, tearing, swelling and redness.

Respiratory or skin sensitization: Mists or high vapor concentrations may cause irritation to respiratory tract, and central nervous system depression – Symptoms may include headache, dizziness, nausea, euphoria, drowsiness and fatigue.

Germ cell mutagenicity: No data available

Carcinogenicity: NTP/IARC/OSHA Carcinogen: No

Reproductive toxicity: CAUTION: Contains material that caused birth defects in rats and mice. Avoid exposure during pregnancy.

STOT-single exposure: Not classified

STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: May be harmful if swallowed and enters airways - can enter lungs and cause damage.

Ingestion: Harmful if swallowed - If swallowed, may cause central nervous system depression, liver and kidney damage.

Swallowing large amounts may be fatal.

Likely routes of exposure: Eyes, skin

Interactive effects: CAUTION: Contains material that caused birth defects in rats and mice. Avoid exposure during pregnancy.

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## SECTION 12. ECOLOGICAL INFORMATION

### Toxicity:

96h LC-50 (fish): >100ppm

96h EC-50 (invertebrates): Not determined

48h LC-50 (algae): Not determined

Persistence and degradability: Not determined

Bioaccumulative potential: Low potential

Mobility in soil: Soil mobility not determined. This product is soluble in water and may spread in water systems. This product is partially volatile and may spread in the atmosphere.

Other adverse effects: None known.

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## SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied.

Do not cut, drill, grind or weld on or near the container.

RCRA: Not applicable

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## SECTION 14. TRANSPORT INFORMATION

United States DOT:

Not Regulated

IATA and IMDG:

Not offered in bulk for export.

Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).

Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

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## SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	No
Delayed (Chronic) Health	No	Reactive Hazard	No

SARA Title 313: Ethylene Glycol CAS#107-21-1, % by weight = 2. Ethylene Glycol Monobutyl Ether CAS# 111-76-2, % by weight = 2.

CERCLA: Ethylene Glycol (CAS# 107-21-1) has a reportable quantity of 5,000 lbs. at 100% concentration, however, this product is not considered a Hazardous Substance since the quantity does not equal or exceed the RQ in one package (49 CFR 171.8, definition of "Hazardous Substance").

United States Right-To-Know: Ethylene Glycol CAS# 107-21-1 - New Jersey and Pennsylvania. Ethylene Glycol Monobutyl Ether CAS# 111-76-2 - California, Massachusetts, Minnesota, New Jersey & Pennsylvania.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: Not applicable.

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## SECTION 16. OTHER INFORMATION

Date prepared: January 28, 2016 – SDS updated to meet GHS revision requirements.

Hazard Ratings (HMIS): Health 2, Flammability 1, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.  
"FOR INDUSTRIAL USE ONLY"

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
GHS	Globally Harmonized System
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.