



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 Degreaser Product Use: Alkaline Degreaser & Cleaner Manufactured By: Kor-Chem, Inc. 5800 Bucknell Drive Atlanta, GA 30336 Manufactured For: R.J. Schinner Co., Inc. N89W14700 Patria Drive Menomonee Falls, WI 53051	Product Identification # (PIF): 03096 Emergency Telephone #: 1-800-255-3924 ChemTel General Information #: 262-797-7180 Date Prepared: December 18, 2015
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SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification:



Signal Word: WARNING

Hazard Statement	Category	Code	Hazard Class
Causes skin irritation	2	H315	Skin Irritation
Causes serious eye irritation	2A	H319	Eye Irritation
May cause respiratory irritation	3	H335	STOT: SE, Respiratory Tract Irritation
May cause drowsiness or dizziness	3	H336	Narcotic Effects

Precautionary Measures:

Category	Code	Statement
Prevention	P261 P264 P271 P280	Avoid breathing fumes/mists/ vapors/sprays. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302+P352 P321 P332+P313 P362 P304+P340 P312 P305+P351+P338 P337+P313	IF ON SKIN: Wash with soap and water. Specific treatments: See Section 4 First Aid Measures. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: 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 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.
Storage	P403+P233 P405	Store in a well ventilated place. Keep container tightly closed. Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Description of any hazards not otherwise classified: Repeated skin exposure can cause drying and flaking of the skin (dermatitis). Ingestion may cause headache, dizziness and gastrointestinal distress and rapid damage to red blood cells and subsequent anemia.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Names	CAS #	Concentration Range %
2-butoxyethanol	Ethylene glycol monobutyl ether	111-76-2	2 – 6
Disodium trioxosilicate	Silicic Acid, disodium salt	6834-92-0	1 – 3

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. If irritation persists, seek medical attention.

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: DO NOT INDUCE VOMITING. Call a physician immediately. If victim is completely conscious and aware, have him rinse out mouth, then drink 8 oz. water to dilute. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability: Class IIIB Combustible liquid

Flash Point: Flash Point: 200°F (93°C)

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

Specific hazards arising from chemical: None known.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

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 combustible a Class IIIB Combustible liquid.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Avoid breathing fumes/mists/ vapors/sprays. Wash thoroughly after handling.

For Small Spills: Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Vapor-suppressing foam may be used to reduce vapors. Neutralize spill with mild acid, such as citric acid. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste with non-sparking tools. 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 only outdoors or in a well-ventilated area. Avoid breathing fumes/mists/ vapors/sprays. Do not handle around sources of ignition. Use proper bonding and grounding during product transfer as described in document NFPA 77. Use explosion-proof equipment and non-sparking tools. Take precautionary measures against static discharge. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not pre-mix with other chemicals. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.

Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container tightly closed when not in use. Store locked up. Store in a well-ventilated place. Protect from physical damage. Store away from oxidizers, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
2-Butoxyethanol	111-76-2	50ppm	20ppm	NE
Disodium trioxosilicate	6834-92-0	NE	NE	NE

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

Personal protective equipment:

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

Skin: Chemical resistant gloves (Impervious). Normal materials handling clothing.

Respirator: Use NIOSH approved protection if PEL is exceeded or if vapors are causing irritation.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Purple, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Butyl	Vapor pressure	>0.1mmHg @ 20°C
Odor threshold	Not determined	Vapor density (Air = 1)	Not determined
pH	12.5 – 13.5	Specific gravity (water = 1.0)	1.020 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	Water thin
Flammability	Class IIIB combustible	Product VOC	4%

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

Incompatible materials: Avoid oxidizers, acids, alkalis, chlorates, chlorine, organic amines, aluminum, zinc, tin, copper and their alloys.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): >5000mg/kg

Dermal (LD50 Rabbit): >5000mg/kg
Inhalation (LC50 Rat): >5000ppm (4hrs)

Skin corrosion/irritation: Skin irritant. Symptoms may include reddening and itching. Repeated exposure to skin can cause drying and flaking of the skin (dermatitis).

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

Respiratory or skin sensitization: Inhalation of vapors and/or mists may cause irritation to the respiratory system, and central nervous system depression. Symptoms may include coughing, headache, dizziness, nausea, euphoria, drowsiness and fatigue.

Germ cell mutagenicity: No data available

Carcinogenicity: NTP/IARC/OSHA Carcinogen: No

Reproductive toxicity: Not available

STOT-single exposure: May cause respiratory tract irritation. May cause drowsiness and dizziness.

STOT-repeated exposure: Not classified.

Aspiration hazard: Not classified

Ingestion: May cause headache, dizziness and gastrointestinal distress. Causes rapid damage to red blood cells and subsequent anemia. Extreme overexposure may cause liver and kidney damage.

Likely routes of exposure: Eyes, skin and inhalation

Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

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

48h LC-50 (invertebrates): >100ppm

192h EC0 (algae): >10ppm

Biodegradability: No data available

Bioaccumulation: No data available

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: This product can raise the pH of an aquatic environment, and thus be toxic to fish and aquatic plants. As with all chemicals, work practices should be aimed at eliminating environmental releases.

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.

SECTION 14. TRANSPORT INFORMATION

United States D.O.T.:

Not regulated

IATA and IMDG:

Not regulated

Marine Pollutant (IMDG Code): No

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

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	Yes	Reactive Hazard	No

SARA Title 313: This material contains the following chemical components with known CAS numbers subject to reporting requirements (40 CFR 372): Ethylene Glycol Monobutyl Ether CAS# 111-76-2, % by wt. = 4%.

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: 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.

SECTION 16. OTHER INFORMATION

Date prepared: December 18, 2015

HMIS Ratings: Health 1, Fire 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
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
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.