PURPLE POWER, INC.
Safety Data Sheet
Purple Power Industrial Strength Cleaner Degreaser

SECTION 1: Identification

1.1 Product identifier

Product name	Purple Power Industrial Strength Cleaner Degreaser
Product number	4302P, 4315PS, 4332PS, 4319PS, 4320P, 4380DG, 4322P, 4323P, 4325P, 4390S, 4340, PP275, PP330, 4324MS, 4364HS
Brand	Purple Power

1.4 Supplier's details

Name	Purple Power, Inc
Address	P.O. Box 27147 Greenville, SC 29616 U.S.
Telephone	864-968-1250
Fax	864-968-1252
email	drayton@clean-rite.com

1.5 Emergency phone number(s)

800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Serious eye damage/ eye irritation (chapter 3.3), Cat. 2
- Skin corrosion/irritation (chapter 3.2), Cat. 2

2.2 GHS label elements, including precautionary statements.

Pictogram



Signal word **Warning**

Hazard statement(s)

H319	Causes serious eye irritation
H315	Causes skin irritation

Precautionary statement(s)

P264	Wash hands thoroughly after handling.
P337+P313	If eye irritation persists: Get medical advice/attention.

P332	If skin irritation occurs: Get medical advice/attention.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P362+P364	Take off contaminated clothing and wash it before reuse.
P321	Specific treatment (treat systematically).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Diethylene glycol butyl ether

Concentration	0.5 -1 % (weight)
CAS no.	112-34-5

2. Sodium silicate

Concentration	1 - 5 % (weight)
CAS no.	1344-09-8

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician/doctor if necessary. Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Show this material safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	IF ON SKIN: Wash with plenty of soap and water/apply a lotion to the area. Get medical attention if irritation develops and persists.
In case of eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persist or if you feel unwell.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Personal protective equipment for first-aid responders

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

4.2 Most important symptoms/effects, acute and delayed
Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

4.3 Indication of immediate medical attention and special treatment needed, if necessary
Effects are dependent on exposure (dose, concentration, contact time). Effects are immediate and delayed. Symptoms may include irritation, burns, and pain. Causes skin irritation and eye irritation. Review section 2 of SDS to see all potential hazards.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical
This material will not burn until the water has evaporated. Residue can burn.

5.3 Special protective actions for fire-fighters
Fire fighters should enter area only if they are protected from all contact with the material. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

Further information
Slipping hazard if product is spilled on the floor.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Diethylene glycol butyl ether (CAS: 112-34-5)
TWA: 10 ppm inhalable fraction and vapor (ACGIH)

8.2 Appropriate engineering controls

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection
Face shield and/or safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

Body protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): In case of insufficient ventilation wear suitable respiratory equipment

Environmental exposure controls
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid
Odor	Characteristic
Odor threshold	No data available.
pH	11-12.35
Melting point/freezing point	0°C (32°F)
Initial boiling point and boiling range	100°C (212°F)

Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1.02
Solubility(ies)	Complete in water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
Mild reactivity to aluminum

10.2 Chemical stability
Stable at typical use and temperatures.

10.3 Possibility of hazardous reactions
Polymerization will not occur.

10.4 Conditions to avoid
Avoid contact with: Oxidizers. Strong acids.

10.5 Incompatible materials
Avoid contact with: Oxidizers. Strong acids.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
All data is collected from supplier SDS's or historical data. Aiken Chemicals performs no animal testing.

LD50 Oral Rat 40884 mg/kg (Not Classified)

LC50 Inhalation Rat No Data mg/l (Not Classified)

LD50 Dermal Rabbit 170128 mg/kg (Not Classified)

Skin corrosion/irritation
expected to be irritating to skin.

Serious eye damage/irritation
expected to be Corrosive/Irritating to the eyes.

Respiratory or skin sensitization
not expected to cause skin sensitization.

Germ cell mutagenicity
No ingredient/component of this mixture is classified.

Carcinogenicity
No ingredient/component of this mixture is classified.

Reproductive toxicity
No ingredient/component of this mixture is classified.

STOT-single exposure
No ingredient/component of this mixture is classified.

STOT-repeated exposure
No ingredient/component of this mixture is classified.

Aspiration hazard
No ingredient/component of this mixture is classified.

SECTION 12: Ecological information

Toxicity
All data is collected from supplier SDS's or historical data. Purple Power, INC. performs no animal testing.
Fish: 913.52 mg/l (not classified)
Daphnia magna: 757.90 mg/l (not classified)
algae: 9381.25 mg/l (not classified)

Persistence and degradability
98.56 of components are readily biodegradable.
1.44% of components have no data.

Bioaccumulate potential
0.00% of components will bioaccumulate.
0.00% of components will not bioaccumulate
100.00% of components have no data.

Mobility in soil
0.00% of components have mobility in soil.
0.00% of components have no mobility in soil.
100.00% of components have no data.

Other adverse effects
SODIUM HYDROXIDE liquid: May cause shifts in Component 1 pH outside the range of pH 5 - 10. This change may be toxic to aquatic organisms.

SECTION 13: Disposal considerations

Disposal of the product
Dispose in accordance with all applicable federal, state, and local regulation. Contact your federal, state, and local authorities for specific rules.

Disposal of contaminated packaging
Dispose of as unused products.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Massachusetts Right to Know Components
No components are subject to the Massachusetts Right to Know Act.

New Jersey Right to Know Components
Water 7732-18-5
Diethylene glycol monobutyl ether 112-34-5

Pennsylvania Right to Know Components
Water 7732-18-5
Diethylene glycol monobutyl ether 112-34-5

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15.2 Chemical Safety Assessment

NFPA (National Fire Protection Association)
HMIS (Hazardous Material Information System)
Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard.

HMIS Rating

Purple Power Industrial Strength Cleaner Degreaser	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

Abbreviations, acronyms
ACGIH = American Conference of Governmental Industrial Hygienists
bw = body weight
bw/day = body weight/day
EC x = Effect Concentration associated with x% response
GLP = Good Laboratory Practice
IARC = International Agency for Research of Cancer
LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals
LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals
LL = Lethal Loading
NIOSH = National Institute of Occupational Safety and Health
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
NOEL = No Observed Effect Level
OECD = Organization for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
UVCB = Substance of unknown or Variable composition, Complex reaction products or biological material
fw = fresh water
mw = marine water
or = occasional release
dw = dry weight
SCBA = Self Contained Breathing Apparatus
Legend
Section 8
ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH - National Institute for Occupational Safety and Health
TLV - Threshold Limit Values
PEL - Permissible Exposure Limits
IDHL - Immediately Dangerous to Life or Health concentrations

TWA - Time Weight Average
STEL - Short Term Exposure Limits
S* - Skin notation
TSCA - Toxic Substance Control Act

16.1 Further information/disclaimer

The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship. Safety Data Sheet information is based on the individual ingredients Safety Data Sheets provided by the supplier.

16.2 Preparation information

Purple Power, Inc.
P.O. Box 27147
Greenville, SC, 29616
864-968-1250
800-828-1860
864-968-1252 (fax)