

PURPLE POWER, INC.

Safety Data Sheet

Extreme Power

SECTION 1: Identification

1.1 Product identifier

Product name	Extreme Power
Product number	60032PS, 60040PS, 60128P, 60022P, 60025P, 60055P, 60024MS, 60064HS
Brand	Purple Power

1.4 Supplier's details

Name	Purple Power, Inc.
Address	P.O. Box 27147 Greenville, SC 29616 USA
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

- Eye damage/irritation (C.4.5), Cat. 1
- Skin corrosion/irritation (C.4.4), Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H318	Causes serious eye damage
H315	Causes skin irritation

Precautionary statement(s)

P264	Wash skin thoroughly after handling.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

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P310	Immediately call a POISON CENTER/doctor/if you feel unwell.
P321	Specific treatment (see see section 4.1 on this SDS).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Alcohols, ethoxylated C9-11

Concentration	1 - 5 % (weight)
CAS no.	68439-46-3

2. Sodium Hydroxide 25%

Concentration	1 - 5 % (weight)
CAS no.	1310-73-2

3. Sodium silicate

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

4. Diethylene Glycol Monobutyl ether

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

5. Potassium Hydroxide

Concentration	0.01-0.5% (weight)
CAS no.	1310-58-3

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. Consult a physician. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN

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If swallowed

Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

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

Effects are immediate and delayed. Symptoms may include blistering, irritation, burns, and pain. Effects are dependent on exposure (dose, concentration, contact time). Causes severe skin burns and eye damage. Review section 2 of SDS to see all potential hazards. Treat symptomatically. Symptoms may be delayed.

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 product is Not combustible. Hazardous gas formation may be generated if water is allowed to boil of during a fire.

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

Use water spray to cool unopened containers. Slipping hazard if product is spilled on the floor.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing mist or spray. 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.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of mist or spray. 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. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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. GLYCOL ETHER DB (CAS: 112-34-5 EC: 203-961-6)

TWA: 10 ppm (ACGIH)

US (ACGIH) 2013

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)

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 work-place., the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

No special precautions for casual exposure. Ventilation Local Exhaust: None required with normal consumer use.

Special: None. Industrial (General): Normal/general dilution ventilation is acceptable. Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.

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, Clear
Odor	Mild, Characteristic
Odor threshold	No Data
pH	12
Melting point/freezing point	0°F (32°F)
Initial boiling point and boiling range	100°C (212°F)
Flash point	No Data
Evaporation rate	No Data
Flammability (solid, gas)	No Data
Upper/lower flammability limits	No Data
Vapor pressure	No Data
Vapor density	No Data
Relative density	1.02 g/ml
Solubility(ies)	Complete in water
Partition coefficient: n-octanol/water	No Data
Auto-ignition temperature	No Data
Decomposition temperature	No Data
Viscosity	No Data
Explosive properties	No Data
Oxidizing properties	No Data

Other safety information

VOC's: 0.378%

SECTION 10: Stability and reactivity

10.1 Reactivity

Low reaction with metals

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents and strong acids.

10.6 Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

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.

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LD50 Oral Rat 11973 mg/kg (Not Classified)

LC50 Inhalation Rat 29888 mg/l (Not Classified)

LD50 Dermal Rabbit 28248 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.

Summary of evaluation of the CMR properties

No data available.

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.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

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

Fish: 200.89 mg/l (not classified)

Daphnia magna: 110.43 mg/l (not classified)

algae: 2108.17 mg/l (not classified)

Persistence and degradability

98.387% of components are readily biodegradable

4.642% of components have no data

Bioaccumulative potential

0.00% of components will bioaccumulate.

3.49% of components will not bioaccumulate

96.51% of components have no data

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Mobility in soil

0.0315% of components have mobility in soil.
0.0531% of components have no mobility in soil.
99.915% of components have no data.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

POTASSIUM HYDROXIDE liquid: May cause shifts in water 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 product.

Waste treatment

No data available.

Sewage disposal

No data available.

Other disposal recommendations

No data available.

SECTION 14: Transport information

DOT (US)

UN Number: Not regulated as dangerous goods
Class:
Packing Group:
Proper Shipping Name:
Reportable quantity (RQ):
Marine pollutant:
Poison inhalation hazard:

IMDG

UN Number: Not regulated as dangerous goods
Class:
Packing Group:
EMS Number:
Proper Shipping Name:

IATA

UN Number: Not regulated as dangerous goods
Class:
Packing Group:
Proper Shipping Name:

SECTION 15: Regulatory information

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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

Water CAS# 7732-18-5

Sodium Hydroxide CAS# 1310-73-22

Potassium Hydroxide CAS# 1310-58-3

Monoethanolamine CAS# 141-43-5

New Jersey Right To Know Components

Water CAS# 7732-18-5

Sodium Hydroxide CAS# 1310-73-22

Potassium Hydroxide CAS# 1310-58-3

Monoethanolamine CAS# 141-43-5

Glycol Ether DB CAS# 112-34-5

Pennsylvania Right To Know Components

Water CAS# 7732-18-5

Sodium Hydroxide CAS# 1310-73-22

Potassium Hydroxide CAS# 1310-58-3

Monoethanolamine CAS# 141-43-5

Glycol Ether DB CAS# 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

Chronic Health

15.2 Chemical Safety Assessment

NFPA (National Fire Protection Association)

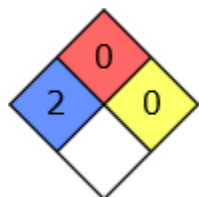
HMIS (Hazardous Material Information System)

Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

HMIS Rating

Extreme Power	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	D

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.

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Greenville, SC, 29616

864-968-1250

800-828-1860

864-968-1252 (fax)