

AIKEN CHEMICAL COMPANY, 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; 4325P; 4340PP275; PP330
Brand	Purple Power

1.3 Recommended use of the chemical and restrictions on use

Uses: Degreasing/Cleaning engine parts, tools, floors, grills, and a variety of other surfaces; Pre-treat grease stains in clothing

DO NOT USE ON: Polished aluminum; Chrome; Painted surfaces; Glass.

1.4 Supplier's details

Name	Aiken Chemical Company, Inc.
Address	P.O. Box 29616 Greenville, SC 29650 USA
Telephone	864-968-1250
Fax	864-968-1252
email	donnie@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)

H315	Causes skin irritation
H319	Causes serious eye irritation

Precautionary statement(s)

P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water/apply a lotion to the area.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321	Specific treatment (treat systematically).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Diethylene Glycol Monobutyl ether

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

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 persists 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

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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

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, 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 vapour or mist. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

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 Monobutyl 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

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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

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	mild
Odor threshold	No data available.
pH	11 - 12
Melting point/freezing point	0 °C (32 °F)
Initial boiling point and boiling range	100 °C (212 °F)
Flash point	Not Flammable
Evaporation rate	No data available.
Flammability (solid, gas)	Not Flammable
Upper/lower flammability limits	No data available.
Upper/lower explosive 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.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Mild reactivity to aluminum

10.2 Chemical stability

Stable at typical use temperatures.

10.3 Possibility of hazardous reactions

Polymerization will not occur.

10.4 Conditions to avoid

Avoid contact with: Oxidizers. Strong acids.

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10.5 Incompatible materials

Avoid contact with: Oxidizers. Strong acids.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Product:

Not classified.

Ingredients:

Diethylene Glycol Monobutyl Ether: Acute oral toxicity: Based on acute toxicity values, not classified.

LD50: 2,410 mg/kg Species: Mouse Acute inhalation toxicity: Based on acute toxicity values, not classified.

LC50: > 2.1 mg/l Exposure time: 4 HOURS Species: Rat Acute dermal toxicity: Based on acute toxicity values, not classified.

LD50: 2,764 mg/kg Species: Rabbit Skin corrosion/irritation: Based on skin irritation values, not classified.

Skin corrosion/irritation

Product:

Skin irritation category 2

Diethylene Glycol Monobutyl Ether: Skin - Rabbit

Result: Skin irritation - 20 h

Serious eye damage/irritation

Product:

Eye irritation category 2

Diethylene Glycol Monobutyl Ether: Eyes - Rabbit

Result: Eye irritation - 24 h

(OECD Test Guideline 405)

Respiratory or skin sensitization

Product:

This product is not expected to cause skin sensitization.

Diethylene Glycol Monobutyl Ether: Maximization Test - Guinea pig

Result: Does not cause skin sensitization.

(OECD Test Guideline 406)

Germ cell mutagenicity

Product:

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Diethylene Glycol Monobutyl Ether: Hamster ovary

Result: negative OECD Test Guideline 474

Mouse - male Result: negative

Carcinogenicity

No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product is present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product is present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

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Product:

For the active ingredient(s): In animal studies, did not interfere with reproduction.

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

SECTION 12: Ecological information

Toxicity

Product:

No known Eco-toxicological effects.

Ingredient:

Diethylene Glycol Monobutyl Ether:

Low acute toxicity to fish; Low acute toxicity to aquatic invertebrates; Low toxicity to algae; Low toxicity to sewage microbes. Based on acute aquatic toxicity values, not classified.

Persistence and degradability

Product:

No data for product

Ingredients;

Diethylene Glycol Monobutyl Ether:

Biodegradability 85% rapidly degradable (after 28 days in a ready biodegradability test).

Bioaccumulative potential

Product:

Not expected to bioaccumulate.

Ingredient:

Diethylene Glycol Monobutyl Ether:

Bioconcentration factor (BCF); 1.4 - 3.2 Method: (QSAR calculated value). This material is not expected to bioaccumulate.

Mobility in soil

Product:

Low absorption to soil particulate predicted.

Ingredients:

Diethylene Glycol Monobutyl Ether:

Stability in soil, No data available. Low absorption to soil particulate predicted.

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 in accordance with all applicable federal, state, and local regulation. Contact your federal, state, and local authorities for specific rules.

SECTION 14: Transport information

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DOT (US)

UN Number: Not regulated as dangerous goods.

Class: N/A

Packing Group: N/A

Proper Shipping Name: N/A

Reportable quantity (RQ): N/A

Marine pollutant: N/A

Poison inhalation hazard: N/A

SECTION 15: Regulatory information

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

California Prop 65

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

SARA 302

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

SARA 311/312 Hazards

Acute Health Hazard

SARA 313

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

15.2 Chemical Safety Assessment

NFPA (National Fire Protection Association)

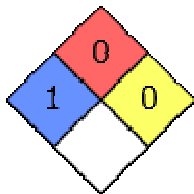
HMIS (Hazardous Material Information System)

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	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

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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

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