

AIKEN CHEMICAL COMPANY, INC.

Safety Data Sheet

Driveway & Concrete Cleaner

SECTION 1: Identification

1.1 Product identifier

Product name	Driveway & Concrete Cleaner
Product number	3520P, 3525P, 3540
Brand	Purple Power

1.4 Supplier's details

Name	Aiken Chemical Company, Inc.
Address	P.O. Box 27147 Greenville, SC 29616 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

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1B

2.2 GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H402	Harmful to aquatic life

Precautionary statement(s)

P260	Do not breathe mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/if contact with eyes or if you feel unwell
P363	Wash contaminated clothing before reuse.

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Diethylene glycol monobutyl ether

Concentration 1 - 10 % (weight)
CAS no. 112-34-5

2. Sodium hydroxide 25%

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

3. Silicic acid, sodium salt

Concentration 1 - 10 % (weight)
CAS no. 1344-09-8

4. Alcohols, c9-11, ethoxylated

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

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	Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Immediately flush skin with plenty of water for at least 15 minutes. Removing contaminated clothing and shoes. Wash clothing before reuse. Chemical burns must be treated promptly by a physician. Get medical attention immediately.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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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. This hazard may increase with the addition of water.

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.

Reference to other sections

For disposal see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Avoid ingestion and inhalation. 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

2. Sodium hydroxide 25% (CAS: 1310-73-2)

PEL-C (Inhalation): 2 mg/m³ (Cal/OSHA)

TLV® (Inhalation): 2 mg/m³ (ACGIH)

REL-C (Inhalation): 2 mg/m³ (NIOSH)

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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

Pictograms



Eye/face protection

Tightly fitting safety goggles. Face shield (8-inch minimum). 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 number 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.

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Respiratory protection

Use with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

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.)	Yellow liquid with Characteristic odor
Odor	Characteristic
Odor threshold	No Data
pH	12 - 13
Melting point/freezing point	-2°C
Initial boiling point and boiling range	100°C
Flash point	No Data
Evaporation rate	No Data
Flammability (solid, gas)	No Data
Upper/lower flammability limits	No Data
Upper/lower explosive limits	No Data
Vapor pressure	No Data
Vapor density	No Data
Relative density	1.02
Solubility(ies)	No Data
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 content, wt. % < 0.022

SECTION 10: Stability and reactivity

10.1 Reactivity

Reacts with aluminum, minerals, and acids.

10.2 Chemical stability

Stable under recommended storage conditions.

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.

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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 12001.628 mg/kg (Not Classified)

LC50 Inhalation Rat 467.211 mg/l (Not Classified)

LD50 Dermal Rabbit 18564.00 mg/kg (Not Classified)

Skin corrosion/irritation

Expected to cause skin burns/irritation.

Serious eye damage/irritation

Expected to cause serious eye damage/irritation

Respiratory or skin sensitization

not expected to cause skin sensitization

Germ cell mutagenicity

No data available

Carcinogenicity

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

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

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: 0.1443 mg/l (not classified)

Daphnia magna: 0.3624 mg/l (not classified)

algae: 1.437 mg/l (not classified)

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Persistence and degradability

95.8739% of components are readily biodegradable
4.1261% 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

5.063% of components have mobility in soil.
0.00% of components have no mobility in soil.
94.937% of components have no data.

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: 3266
Class: 8
Packing Group: II
Proper Shipping Name: Corrosive liquid, basic, inorganic, n.o.s. (Contains Sodium Hydroxide)

IMDG

UN Number:
Class:
Packing Group:
EMS Number:
Proper Shipping Name:

IATA

UN Number:
Class:
Packing Group:

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Proper Shipping Name:

SECTION 15: Regulatory information

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

SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ.

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.

Massachusetts Right to Know Components

Sodium Hydroxide

CAS# 1310-73-2

Pennsylvania Right to Know Components

Diethylene glycol monobutyl ether

CAS# 112-34-5

Sodium Hydroxide

CAS# 1310-73-2

New Jersey Right to Know Components

Diethylene glycol monobutyl ether

CAS# 112-34-5

Sodium Hydroxide

CAS# 1310-73-2

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.

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

Driveway and Concrete Cleaner	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1

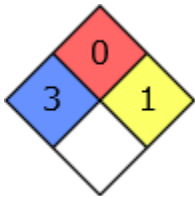
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PERSONAL PROTECTION

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

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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

Aiken Chemical company, Inc.
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Greenville, SC, 29616
864-968-1250
800-828-1860
864-968-1252 (fax)