

**POLY64204 – POWER BLAST CONCRETE AND DRIVEWAY CLEANER****SECTION 1: IDENTIFICATION****1.1 PRODUCT IDENTIFIER**

Product name Power Blast Concrete and Driveway Cleaner  
Product number POLY64204 (Gal)  
Brand PolyGuard

**1.4 SUPPLIER'S DETAILS**

Name Highline Aftermarket  
Address 4500 Malone Road  
Memphis TN 38118  
Telephone 901-775-5555  
email sds@highlineaftermarket.com

**1.5 EMERGENCY PHONE NUMBER(S)** CHEM-TEL (800) 255-3924  
24 Hour Assistance

**SECTION 2: HAZARD IDENTIFICATION****General hazard statement**

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE****GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)**

- Sensitization, skin, Cat. 1
- Acute toxicity, dermal, Cat. 3
- Acute toxicity, inhalation, Cat. 3
- Acute toxicity, oral, Cat. 3
- Carcinogenicity, Cat. 1B
- Germ cell mutagenicity, Cat. 1B
- Skin corrosion/irritation, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 1
- Toxic to reproduction, Cat. 1B
- Carcinogenicity, Cat. 2

**2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS**

**Signal word** Danger

**Pictogram**

1. Exclamation mark; 2. Health hazard

**Hazard statement(s)**

H301	Toxic if swallowed
H311	Toxic in contact with skin
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H340	May cause genetic defects [route]
H350	May cause cancer [route]
H351	Suspected of causing cancer [route]
H360	May damage fertility or the unborn child [effect, route]
H370	Causes damage to organs [organs, route]

**Precautionary statement(s)**

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor
P302+P352	IF ON SKIN: Wash with plenty of water
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor
P308+P313	IF exposed or concerned: Get medical advice/attention.
P311	Call a POISON CENTER/doctor
P312	Call a POISON CENTER/doctor if you feel unwell.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to proper receptacle.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 MIXTURES****Components**

### 1. Water

Concentration 20 - 90 % (volume)  
CAS no. 7732-18-5

### 2. 2-Butoxyethanol

Concentration < 3 % (weight)  
EC no. 203-905-0  
CAS no. 111-76-2  
Index no. 603-014-00-0

- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2
- Acute toxicity, dermal, Cat. 4
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4

H302 Harmful if swallowed  
H312 Harmful in contact with skin  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H332 Harmful if inhaled

### 3. Isopropanol

Concentration < 2 % (weight)  
EC no. 414-810-0  
CAS no. 67-63-0  
Index no. 607-403-00-6

- Flammable liquids, Cat. 2
- Eye damage/irritation, Cat. 2A
- Specific target organ toxicity (single exposure), Cat. 3

H225 Highly flammable liquid and vapor  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation  
H336 May cause drowsiness or dizziness

### 4. Sodium hydroxide

Concentration < 1 % (weight)  
EC no. 215-185-5  
CAS no. 1310-73-2  
Index no. 011-002-00-6

- Skin corrosion/irritation, Cat. 1A

H314 Causes severe skin burns and eye damage

### 5. 4,4'-Methylene-bis(2-chloroaniline)

Concentration < 1 % (weight)  
EC no. 202-918-9  
CAS no. 101-14-4  
Index no. 612-078-00-9

- Carcinogenicity, Cat. 1B
- Acute toxicity, oral, Cat. 4
- Hazardous to the aquatic environment, short-term (acute), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 1

H302 Harmful if swallowed  
H350 May cause cancer [route]  
H400 Very toxic to aquatic life  
H410 Very toxic to aquatic life with long lasting effects

**Trade secret statement (OSHA 1910.1200(i))**  
21

## SECTION 4: FIRST-AID MEASURES

### 4.1 DESCRIPTION OF NECESSARY FIRST-AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	Call a poison center or doctor if you feel unwell.  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	Rinse with plenty of water. Call a doctor if irritation develops or persists.  Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor if you feel unwell.  Acute and delayed symptoms and effects: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor immediately  Acute and delayed symptoms and effects: Harmful if swallowed.

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**4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

**4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY**

Treat symptomatically.

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**SECTION 5: FIRE-FIGHTING MEASURES****5.1 SUITABLE EXTINGUISHING MEDIA**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**

Methanol: Carbon oxides

**5.3 SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

Use water spray to cool unopened containers.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Use personal protective equipment as described in Section 8. Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Evacuate personnel to safe areas.

**6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**Reference to other sections**

For disposal see section 13.

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**SECTION 7: HANDLING AND STORAGE****7.1 PRECAUTIONS FOR SAFE HANDLING**

Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

**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 no other specific uses are stipulated.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

#### 1. 2-Butoxyethanol (CAS: 111-76-2 EC: 203-905-0)

PEL (Inhalation): 50 ppm (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 240 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 20 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 5 ppm (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 20 ppm

97 mg/m<sup>3</sup>

California permissible exposure limits for chemical contaminants  
(Title 8, Article 107)/Skin

TWA (Inhalation): 50 ppm

240 mg/m<sup>3</sup>; USA (OSHA)

USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air  
Contaminants/Skin designation

The value in mg/m<sup>3</sup> is approximate

TWA (Inhalation): 5 ppm

24 mg/m<sup>3</sup>; USA (NIOSH)

USA. NIOSH Recommended Exposure Limits/Potential for dermal absorption

TWA (Inhalation): 20 ppm; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation Eye irritation Substances for which  
there is a Biological Exposure Index or Indices (see BEI® section) Confirmed animal carcinogen with unknown  
relevance to humans

TLV® (Inhalation): 20 ppm; USA (ACGIH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 2. Isopropyl alcohol (CAS: 67-63-0)

PEL (Inhalation): 400 ppm (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 980 mg/m<sup>3</sup> (OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): 400 ppm, (ST) 500 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): 400 ppm, (ST) 500 ppm (NIOSH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

TLV® (Inhalation): 200 ppm, (ST) 400 ppm; USA (ACGIH)

OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

#### 3. Sodium hydroxide (CAS: 1310-73-2)

PEL (Inhalation): 2 mg/m<sup>3</sup>; USA (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

PEL (Inhalation): (C) 2 mg/m<sup>3</sup>; USA (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

REL (Inhalation): (C) 2 mg/m<sup>3</sup>; USA (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

TLV® (Inhalation): (C) 2 mg/m<sup>3</sup>; USA (ACGIH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

## 8.2 APPROPRIATE ENGINEERING CONTROLS

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

## 8.3 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE)

### Pictograms



### Eye/face protection

No special protective equipment required for normal use. Safety glasses are recommended for industrial use of if splash hazard.

### Skin protection

Not required for normal product use.

### Body protection

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Not required under normal use conditions. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Thermal hazards

No data available.

### Environmental exposure controls

Do not let product enter drains.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

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Appearance/form (physical state, color, etc.)	Clear Liquid
Odor	Mild
Odor threshold	No data available.
pH	Alkaline
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	200 F
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
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	8.58 lbs/gal
Solubility(ies)	No data available.
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.

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## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 REACTIVITY**

Contact with incompatible materials. Sources of ignition. Exposure to heat.

### **10.2 CHEMICAL STABILITY**

Stable under normal storage conditions.

### **10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

No data available.

### **10.4 CONDITIONS TO AVOID**

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

### **10.5 INCOMPATIBLE MATERIALS**

2-Butoxyethanol: Strong oxidizing agents

Methanol: Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids

Diethanolamine: Oxidizing agents, Copper, Zinc, Iron

Ethanol: Alkali metals, Oxidizing agents, Peroxides

Glycerine : Strong bases, Strong oxidizing agents

Isopropanol: Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids



Sodium hydroxide : Caustic soda reacts with all the mineral acids to form the corresponding salts. It also reacts with weak-acid gases, such as hydrogen sulfide, sulfur dioxide, and carbon dioxide. Caustic soda reacts with amphoteric metals (Al, Zn, Sn) and their oxides to form complex anions such as  $AlO_2(-)$ ,  $ZnO_2(-2)$ ,  $SNO_2(-2)$ , and  $H_2$  (or  $H_2O$  with oxides). All organic acids also react with sodium hydroxide to form soluble salts. Another common reaction of caustic soda is dehydrochlorination.

#### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No data available.

2-Butoxyethanol: Hazardous decomposition products formed under fire conditions. - Carbon oxides  
Other decomposition products - No data available  
In the event of fire: see section 5

Diethanolamine: Other decomposition products - No data available  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)  
In the event of fire: see section 5

Sodium hydroxide : Sodium oxides

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## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute toxicity

Symptoms (including delayed and immediate effects):

Inhalation: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

ATE (dermal) of mixture: 378.44 mg/kg

ATE (inhalation, gaseous) of mixture: 884.33 ppmv

ATE (oral) of mixture: 126.26 mg/kg

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Ethanol: ACGIH: A3 Confirmed animal carcinogen with unknown relevance to humans.

#### Skin corrosion/irritation

May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

#### Serious eye damage/irritation

May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

#### Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled

#### Additional information

No data available.

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity**

No data available on product

**Persistence and degradability**

No data available on product

**Bioaccumulative potential**

No data available on product

**Mobility in soil**

No data available.

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

No data available.

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## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal of the product**

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

**Disposal of contaminated packaging**

Dispose of as unused product.

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## SECTION 14: TRANSPORT INFORMATION

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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## SECTION 15: REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT IN QUESTION

**California Prop. 65 Components**

Chemical name: 4,4'-Methylene-bis(2-chloroaniline)  
CAS number: 101-14-4  
07/01/1987 - Cancer

**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**

Ethylene glycol monobutyl ether  
CAS: 111-76-2

Isopropyl alcohol  
CAS number: 67-63-0

Chemical name: Sodium hydroxide  
CAS number: 1310-73-2

Chemical name: 4,4'-Methylenebis(2-chloroaniline)  
CAS number: 101-14-4

**New Jersey Right To Know Components**

Ethylene glycol monobutyl ether  
CAS: 111-76-2

Isopropyl alcohol  
CAS number: 67-63-0

Common name: SODIUM HYDROXIDE  
CAS number: 1310-73-2

Common name: 4,4'-METHYLENE BIS (2-CHLOROANILINE)  
CAS number: 101-14-4

**Pennsylvania Right To Know Components**

Ethylene glycol monobutyl ether  
CAS: 111-76-2

Isopropyl alcohol  
CAS number: 67-63-0

Chemical name: Sodium hydroxide  
CAS number: 1310-73-2

Chemical name: Benzenamine, 4,4'-methylenebis[2-chloro-  
CAS number: 101-14-4

**SARA 302 Components**

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

**SARA 311/312 Hazards**

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Acute Health Hazard

**SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:

Ethylene glycol monobutyl ether

CAS: 111-76-2

The following components are subject to reporting levels established by SARA Title III, Section 313:

Isopropyl alcohol

CAS number: 67-63-0

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.

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**SECTION 16: OTHER INFORMATION**

**16.1 FURTHER INFORMATION/DISCLAIMER**

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Highline Aftermarket be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Highline Aftermarket has been advised of the possibility of such damages.

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