



# SAFETY DATA SHEET

Revision Date 02-May-2020

Version 7

## 1. IDENTIFICATION

### Product identifier

**Product Name** ULTRA BLACK GASKET MAKER 13OZ CQ

### Other means of identification

**Product Code** 24105

### Recommended use of the chemical and restrictions on use

**Recommended Use** Sealant

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

ITW Permatex  
6875 Parkland Blvd.  
Solon, Ohio 44139 USA  
Telephone: 1-87-Permatex  
(866) 732-9502

#### 24-hour emergency phone number

Chem-Tel: 800-255-3924  
International Emergency:  
00+1+ 813-248-0585  
Contract Number: MIS0003453

#### May Also Be Distributed by:

ITW Permatex Canada  
101-2360 Bristol Circle  
Oakville, ON Canada L6H 6M5  
Telephone: (800) 924-6994

**E-mail address:** mail@permatex.com

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |             |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
| Skin sensitization                | Category 1  |
| Carcinogenicity                   | Category 2  |

### Label elements

#### **Emergency Overview**

#### Signal word

#### **Warning**

Causes serious eye irritation  
May cause an allergic skin reaction  
Suspected of causing cancer

**Appearance** Black**Physical state** Paste Liquid**Odor** Mild**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 Specific treatment (see .? on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Harmful to aquatic life with long lasting effects.

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name     | CAS No    | Weight-% |
|-------------------|-----------|----------|
| CALCIUM CARBONATE | 471-34-1  | 15 - 40  |
| LIMESTONE         | 1317-65-3 | 10 - 30  |
| 2-BUTANONE OXIME  | 96-29-7   | 1 - 5    |
| CARBON BLACK      | 1333-86-4 | 0.1 - 1  |

### 4. FIRST AID MEASURES

**Description of first aid measures****General advice**

If symptoms persist, call a physician.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin contact**

IF ON SKIN: Wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.

**Self-protection of the first aider**

Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed****Symptoms**

May cause allergic skin reaction.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use, Use dry chemical, Carbon dioxide (CO<sub>2</sub>), Water spray (fog), Alcohol resistant foam

**Unsuitable extinguishing media**

None

**Specific hazards arising from the chemical**

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. Use personal protective equipment as required.

**Environmental precautions****Environmental precautions**

See section 12 for additional ecological information. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and material for containment and cleaning up****Methods for containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate

containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Protect from moisture. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

**Incompatible materials** Strong oxidizing agents, Acids, Water

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

| Chemical Name                 | ACGIH TLV                                             | OSHA PEL                                                                                                                                                                                         | NIOSH IDLH                                                                                                                                                |
|-------------------------------|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| CALCIUM CARBONATE<br>471-34-1 | -                                                     | -                                                                                                                                                                                                | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust                                                                          |
| LIMESTONE<br>1317-65-3        | -                                                     | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction<br>(vacated) TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction | TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust                                                                          |
| CARBON BLACK<br>1333-86-4     | TWA: 3 mg/m <sup>3</sup> inhalable particulate matter | TWA: 3.5 mg/m <sup>3</sup><br>(vacated) TWA: 3.5 mg/m <sup>3</sup>                                                                                                                               | IDLH: 1750 mg/m <sup>3</sup><br>TWA: 3.5 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup> Carbon black in presence of Polycyclic aromatic hydrocarbons PAH |

NIOSH IDLH Immediately Dangerous to Life or Health

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### Appropriate engineering controls

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection** Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.

**Respiratory protection** Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical state</b> | Paste Liquid             |
| <b>Appearance</b>     | Black                    |
| <b>Odor</b>           | Mild                     |
| <b>Odor threshold</b> | No information available |

| <u>Property</u>                                    | <u>Values</u>            | <u>Remarks • Method</u> |
|----------------------------------------------------|--------------------------|-------------------------|
| pH                                                 | No information available |                         |
| Melting point / freezing point                     | No information available |                         |
| Boiling point / boiling range                      | No information available | Polymerization          |
| Flash point                                        | > 95 °C / > 203 °F       | Tag Closed Cup          |
| Evaporation rate                                   | No information available |                         |
| Flammability (solid, gas)                          | No information available |                         |
| Flammability Limit in Air                          |                          |                         |
| Upper flammability limit:                          | No information available |                         |
| Lower flammability limit:                          | No information available |                         |
| Vapor pressure                                     | <5 mm Hg @ 80°F          |                         |
| Vapor density                                      | >1                       | Air = 1                 |
| Relative density                                   | 1.44                     |                         |
| Water solubility                                   | Not applicable           | Polymerization          |
| Solubility(ies)                                    | No information available |                         |
| Partition coefficient                              | No information available |                         |
| Autoignition temperature                           | No information available |                         |
| Decomposition temperature                          | No information available |                         |
| Kinematic viscosity                                | No information available |                         |
| Dynamic viscosity                                  | No information available |                         |
| Explosive properties                               | No information available |                         |
| Oxidizing properties                               | No information available |                         |
| <b>Other Information</b>                           |                          |                         |
| Softening point                                    | No information available |                         |
| Molecular weight                                   | No information available |                         |
| VOC Content (%)                                    | 3%                       |                         |
| Density                                            | No information available |                         |
| Bulk density                                       | No information available |                         |
| SADT (self-accelerating decomposition temperature) | No information available |                         |

## 10. STABILITY AND REACTIVITY

**Reactivity**  
No information available

**Chemical stability**  
Stable under normal conditions

**Possibility of Hazardous Reactions**  
None under normal processing.

**Conditions to avoid**  
Excessive heat. Heat, flames and sparks.

**Incompatible materials**  
Strong oxidizing agents, Acids, Water

**Hazardous Decomposition Products**

Carbon oxides  
 Nitrogen oxides (NOx)  
 Formaldehyde  
 May release 2-butanone oxime (ethyl methyl ketoxime) at elevated temperature

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                     |                                                                                       |
|---------------------|---------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | May cause irritation of respiratory tract.                                            |
| <b>Eye contact</b>  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes.    |
| <b>Skin contact</b> | May cause skin irritation and/or dermatitis. May cause sensitization by skin contact. |
| <b>Ingestion</b>    | Ingestion may cause irritation to mucous membranes.                                   |

| Chemical Name                 | Oral LD50             | Dermal LD50                  | Inhalation LC50         |
|-------------------------------|-----------------------|------------------------------|-------------------------|
| CALCIUM CARBONATE<br>471-34-1 | = 6450 mg/kg ( Rat )  | -                            | -                       |
| 2-BUTANONE OXIME<br>96-29-7   | = 930 mg/kg ( Rat )   | 1000 - 1800 mg/kg ( Rabbit ) | > 4.83 mg/L ( Rat ) 4 h |
| CARBON BLACK<br>1333-86-4     | > 15400 mg/kg ( Rat ) | > 3 g/kg ( Rabbit )          | -                       |

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name             | ACGIH | IARC     | NTP | OSHA |
|---------------------------|-------|----------|-----|------|
| CARBON BLACK<br>1333-86-4 | A3    | Group 2B | -   | X    |

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

**Target Organ Effects** Eyes, Respiratory system, Skin.

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 14639 mg/kg

ATEmix (dermal) 27922 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

0.001 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Mobility

No information available.

| Chemical Name               | Partition coefficient |
|-----------------------------|-----------------------|
| 2-BUTANONE OXIME<br>96-29-7 | 0.65                  |

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

|                               |                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Disposal of wastes</b>     | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| <b>Contaminated packaging</b> | Do not reuse container.                                                                             |
| <b>US EPA Waste Number</b>    | Not applicable                                                                                      |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

**14. TRANSPORT INFORMATION****DOT**

Proper shipping name: Not regulated

**IATA**

Proper shipping name: Not regulated

**IMDG**

Proper shipping name: Not regulated

**15. REGULATORY INFORMATION****International Inventories**

|               |                |
|---------------|----------------|
| TSCA          | Complies       |
| DSL/NDSL      | Complies       |
| EINECS/ELINCS | Complies       |
| ENCS          | Not determined |
| IECSC         | Complies       |
| KECL          | Complies       |
| PICCS         | Complies       |
| AICS          | Complies       |

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name                | California Proposition 65                                    |
|------------------------------|--------------------------------------------------------------|
| CARBON BLACK<br>1333-86-4    | *Carcinogen (airborne, unbound particles of respirable size) |
| SILICA, QUARTZ<br>14808-60-7 | *Carcinogen (airborne particles of respirable size only)     |

• \*The asterisked chemical(s) listed are not subject to Proposition 65 because they are not airborne in the finished product

**U.S. State Right-to-Know Regulations**

| Chemical Name                 | New Jersey | Massachusetts | Pennsylvania |
|-------------------------------|------------|---------------|--------------|
| LIMESTONE<br>1317-65-3        | X          | X             | X            |
| ALUMINIUM POWDER<br>7429-90-5 | X          | X             | X            |
| CARBON BLACK<br>1333-86-4     | X          | X             | X            |
| SILICA, QUARTZ<br>14808-60-7  | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**WHMIS Hazard Class**

D2B - Toxic materials

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|             |                  |                |                    |                       |
|-------------|------------------|----------------|--------------------|-----------------------|
| <b>NFPA</b> | Health hazards 2 | Flammability 1 | Instability 0      | -                     |
| <b>HMIS</b> | Health hazards 2 | Flammability 1 | Physical hazards 0 | Personal protection B |

NFPA (National Fire Protection Association)  
HMIS (Hazardous Material Information System)

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**End of Safety Data Sheet**