



SAFETY DATA SHEET

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 12-Aug-2015

Version 2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code 82180
Product Name ULTRA BLACK GASKET MAKER 3.35OZ

Contains 2-BUTANONE OXIME

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Sealant
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Importer

ITW Permatex
10 Columbus Blvd.
Hartford, CT 06106 USA
Telephone: 1-87-Permatex
(877) 376-2839

E-mail address

mail@permatex.com

1.4. Emergency telephone number

24 Hour Emergency Phone Number - 800-255-3924 (00+ 1+ 813-248-0585) ChemTel

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|-----------------------------------|---------------------|
| Serious eye damage/eye irritation | Category 2 - (H319) |
| Skin sensitization | Category 1 - (H317) |
| Carcinogenicity | Category 2 - (H351) |
| Chronic aquatic toxicity | Category 2 - (H411) |

Classification according to Directive 67/548/EEC or 1999/45/EC

Full text of R-phrases: see section 16

2.2. Label elements

Contains 2-BUTANONE OXIME

**Signal word**

Warning

Statements of hazard

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H351 - Suspected of causing cancer

H411 - Toxic to aquatic life with long lasting effects EUH208 - May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P321 - Specific treatment (see supplemental first aid instructions on this label)

P280 - Wear eye protection/ face protection

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P273 - Avoid release to the environment

Other Information

- Not applicable

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 substances**

| Chemical Name | EC No | CAS No | Weight-% | Classification according to Directive 67/548/EEC or 1999/45/EC | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH Registration Number |
|------------------------------------|-----------|------------|----------|--|---|---------------------------|
| SYNTHETIC ISOPARAFFINIC HYDROCARON | 265-149-8 | 64742-47-8 | 5-10 | Xn; R65 | Asp. Tox. 1 (H304) | No data available |
| 2-BUTANONE OXIME | 202-496-6 | 96-29-7 | 0.5-2.0 | Xn; R21 Carc.Cat.3; R40 Xi; R41 R43 | Acute Tox. 4 (H312) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Carc. 2 (H351) | No data available |

Full text of R-phrases: see section 16**Full text of H- and EUH-phrases: see section 16****Section 4: FIRST AID MEASURES****4.1. Description of first aid measures****General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

Eye contact

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.

Ingestion IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider Use personal protective equipment as required.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms See section 2 for more information

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

None in particular.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes and skin. Wash thoroughly after handling.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. 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

Ensure adequate ventilation. Flood with water to complete polymerization and scrape off floor. Sweep up and shovel into suitable containers for disposal. Slippery, can cause falls if walked on.

6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid breathing vapors or mists.

General Hygiene Considerations

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

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Protect from moisture.

Incompatible materials

Strong oxidizing agents, Acids, Water

7.3. Specific end use(s)

Specific use(s)

Automotive Sealant.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

| Chemical Name | European Union | United Kingdom | France | Spain | Germany |
|-----------------------------|----------------|----------------|--------|--------|---|
| 2-BUTANONE OXIME 96-29-7 | - | - | - | - | TWA: 0.3 ppm TWA: 1 mg/m ³ H* |
| Chemical Name | Austria | Switzerland | Poland | Norway | Ireland |
| 2-BUTANONE OXIME 96-29-7 | - | - | - | - | TWA: 3 ppm TWA: 10 mg/m ³ STEL: 10 ppm STEL: 33 mg/m ³ |

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Use exhaust ventilation to keep airborne concentrations below exposure limits.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin and body protection

Suitable protective clothing. Gloves made of plastic or rubber.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|-----------------------|--------------------------|
| Physical state | Paste |
| Appearance | Black |
| Odor | Mild |
| Odor threshold | 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 | Not Applicable | Polymerization |
| Flash point | > 93 °C / > 200 °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 | |

9.2. Other information

| | |
|-------------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | 3.1% |
| Density | No information available |
| Bulk density | No information available |

Section 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Not applicable

10.2. Chemical stability

Stable under normal conditions.

Explosion data

| | |
|----------------------------------|-------|
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Excessive heat.

10.5. Incompatible materials

Strong oxidizing agents
Acids
Water

10.6. Hazardous decomposition products

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

Section 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Product Information**

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

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

ATEmix (oral) 6,027.00 mg/kg

ATEmix (dermal) 5,865.00 mg/kg

Unknown acute toxicity

97.929 % of the mixture consists of ingredient(s) of unknown toxicity.

57.449 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

55.89 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

97.929 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

97.929 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

97.929 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

| Chemical Name | European Union |
|------------------|----------------|
| 2-BUTANONE OXIME | Carc. 2 |

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organ Effects Eyes, Respiratory system, Skin.

Aspiration hazard: No information available.

Section 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Ecotoxicity Harmful to aquatic life with long lasting effects. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|------------------------------------|---|--|---|
| SYNTHETIC ISOPARAFFINIC HYDROCARON | - | 45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static | 4720: 96 h Den-dronereides heteropoda mg/L LC50 |
| 2-BUTANONE OXIME | 83: 72 h Desmodemus subspicatus mg/L EC50 | 777 - 914: 96 h Pimephales promelas mg/L LC50 flow-through 760: 96 h Poecilia reticulata mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static | 750: 48 h Daphnia magna mg/L EC50 |

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

| Chemical Name | Partition coefficient |
|------------------|-----------------------|
| 2-BUTANONE OXIME | 0.65 |

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

Waste codes / waste designations according to EWC / AVV No data available

Other Information Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG

14.1 UN/ID no Not regulated

14.2 Proper shipping name: Not regulated

14.3 Hazard Class Not regulated

| | |
|-------------------------|--------------------------|
| 14.4 Packing Group | None |
| 14.5 Marine pollutant | Not applicable |
| 14.6 Special Provisions | No information available |
| 14.7 EmS-No | Not applicable |

RID

| | |
|----------------------------|--------------------------|
| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name: | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | None |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | No information available |
| 14.7 | |

ADR

| | |
|----------------------------|--------------------------|
| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name: | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | None |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | No information available |
| 14.7 Classification code | No information available |

IATA

| | |
|----------------------------|--------------------------|
| 14.1 UN/ID no | Not regulated |
| 14.2 Proper shipping name: | Not regulated |
| 14.3 Hazard Class | Not regulated |
| 14.4 Packing Group | None |
| 14.5 Environmental hazard | Not applicable |
| 14.6 Special Provisions | No information available |
| 14.7 ERG Code | Not applicable |

| |
|---|
| Section 15: REGULATORY INFORMATION |
|---|

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

| Chemical Name | French RG number | Title |
|--|------------------|-------|
| SYNTHETIC ISOPARAFFINIC HYDROCARON 64742-47-8 | RG 84 | - |

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

| | |
|----------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |

| | |
|----------------------|-------------|
| EINECS/ELINCS | Not Listed. |
| ENCS | Not Listed. |
| 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

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of R-phrases referred to under sections 2 and 3**

No information available

Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapor

H304 - May be fatal if swallowed and enters airways

H250 - Catches fire spontaneously if exposed to air

H261 - In contact with water releases flammable gases

H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H312 - Harmful in contact with skin

H318 - Causes serious eye damage

H317 - May cause an allergic skin reaction

H351 - Suspected of causing cancer if inhaled

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average)

Ceiling Maximum limit value

STEL

*

STEL (Short Term Exposure Limit)

Skin designation

Revision Date 12-Aug-2015

Revision Note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet