

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Revision Date 19-Nov-2024 Version 1

# 1. Identification

**Product identifier** 

Product Name PX 16BR BLACK RTV SILICONE 3 OZ.

Other means of identification

Product Code 81158

Synonyms CAN Item Number 59203

Recommended use of the chemical and restrictions on use

Recommended Use Sealant

Restrictions on use No information available

Details of the supplier of the safety data sheet

Manufacturer Address

ITW Permeters | ITW Perm

ITW Permatex, Inc.

6875 Parkland Blvd.

ITW Permatex Canada
101-2360 Bristol Circle

Solon, Ohio 44139 USA Oakville, ON Canada L6H 6M5 Telephone: 1-87-Permatex Telephone: (800) 924-6994

(866) 732-9502

E-mail address mail@permatex.com

Emergency telephone number

24 Hour Emergency Phone Number Chem-Tel: 800-255-3924

International Emergency: 00+1+ 813-248-0585

Contract Number: MIS0003453

24-hour emergency phone number No information available

# 2. Hazard(s) identification

#### Classification

Skin sensitization	Category 1
Carcinogenicity	Category 1B

#### Label elements

Contains CARBON BLACK; 2-BUTANONE OXIME



#### **Danger**

#### **Hazard statements**

May cause an allergic skin reaction.

May cause cancer.

# **Precautionary Statements - Prevention**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves, protective clothing, eye protection and face protection.

Avoid breathing dust, fume, gas, mist, vapors and spray.

Contaminated work clothing should not be allowed out of the workplace.

## **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention.

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

#### Skin

IF ON SKIN: Wash with plenty of water and soap.

If skin irritation or rash occurs: Get medical advice and attention.

Take off contaminated clothing and wash it before reuse.

## **Precautionary Statements - Storage**

Store locked up.

## **Precautionary Statements - Disposal**

Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

3.24 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

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

33.76 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

33.76 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

10.01 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

# Other Information

Harmful to aquatic life.

# 3. Composition/information on ingredients

## Substance

Not applicable.

#### <u>Mixture</u>

# **Synonyms**

CAN Item Number 59203.

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
LIMESTONE	1317-65-3	10-30%	-	-
CALCIUM CARBONATE	471-34-1	10-30%	-	-
CARBON BLACK	1333-86-4	1-5%	-	-
STEARIC ACID	57-11-4	1-5%	-	-
2-BUTANONE OXIME	96-29-7	0.1-1%	-	-

## 4. First-aid measures

**Description of first aid measures** 

**General advice** Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get

medical advice/attention.

**Inhalation** Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin contact** Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation

or allergic reactions see a physician.

**Ingestion** Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives.

Effects of Exposure May cause cancer.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

# 5. Fire-fighting measures

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

**Explosion data** 

Sensitivity to mechanical impact None. Sensitivity to static discharge None.

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Use personal protection equipment.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Evacuate personnel to safe areas. Keep people away

from and upwind of spill/leak.

Other information Refer to protective measures listed in Sections 7 and 8.

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** Pick up and transfer to properly labeled containers.

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 Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off

contaminated clothing and wash before reuse.

## Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

# 8. Exposure controls/personal protection

# Control Parameters Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
LIMESTONE 1317-65-3	-	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable	TWA: 10 mg/m³; total dust TWA: 5 mg/m³; respirable
		fraction	dust
		(vacated) TWA: 15 mg/m <sup>3</sup>	
		total dust	
		(vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction	
CALCIUM CARBONATE	-	-	TWA: 10 mg/m <sup>3</sup> ; total dust
471-34-1			TWA: 5 mg/m <sup>3</sup> ; respirable
			dust
CARBON BLACK	TWA: 3 mg/m <sup>3</sup> inhalable	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> ;
1333-86-4	particulate matter	(vacated) TWA: 3.5 mg/m <sup>3</sup>	TWA: 0.1 mg/m³; Carbon
			black in presence of Polycyclic
			aromatic hydrocarbons PAH
			IDLH: 1750 mg/m <sup>3</sup>
STEARIC ACID	TWA: 10 mg/m <sup>3</sup> inhalable	-	-
57-11-4	particulate matter		
	TWA: 3 mg/m <sup>3</sup> respirable		
	particulate matter		

Chemical name	Alberta	British Columbia	Ontario	Quebec
LIMESTONE	TWA: 10 mg/m <sup>3</sup> ;	TWA: 10 mg/m <sup>3</sup> ; total	-	TWAEV: 10 mg/m <sup>3</sup> ; total
1317-65-3		dust		dust
		TWA: 3 mg/m³;		
		respirable fraction		
		STEL: 20 mg/m <sup>3</sup> ;		
CALCIUM CARBONATE	TWA: 10 mg/m <sup>3</sup> ;	-	-	TWAEV: 10 mg/m <sup>3</sup> ; total
471-34-1				dust
CARBON BLACK	TWA: 3.5 mg/m <sup>3</sup> ;	TWA: 3 mg/m <sup>3</sup> ;	TWA: 3 mg/m <sup>3</sup> ;	TWAEV: 3 mg/m <sup>3</sup> ;
1333-86-4		inhalable	inhalable particulate	inhalable dust
			matter	
STEARIC ACID	-	TWA: 10 mg/m <sup>3</sup> ;	TWA: 10 mg/m <sup>3</sup> ;	TWAEV: 10 mg/m <sup>3</sup> ;
57-11-4		inhalable	inhalable particulate	inhalable aerosol
		TWA: 3 mg/m <sup>3</sup> ;	matter	fraction

respirable	TWA: 3 mg/m <sup>3</sup> ;	TWAEV: 3 mg/m <sup>3</sup> ;
	respirable particulate	respirable aerosol
	matter	fraction

Chemical name	Manitoba	New Brunswick	Newfoundland and	Nova Scotia
			Labrador	
CARBON BLACK	TWA: 3 mg/m <sup>3</sup> ;	TWA: 3 mg/m <sup>3</sup> ;	TWA: 3 mg/m <sup>3</sup> ;	TWA: 3 mg/m <sup>3</sup> ;
	inhalable particulate	inhalable fraction	inhalable particulate	inhalable particulate
	matter		matter	matter
STEARIC ACID	TWA: 10 mg/m <sup>3</sup> ;		TWA: 10 mg/m <sup>3</sup> ;	TWA: 10 mg/m <sup>3</sup> ;
	inhalable particulate		inhalable particulate	inhalable particulate
	matter		matter	matter
	TWA: 3 mg/m³;		TWA: 3 mg/m³;	TWA: 3 mg/m³;
	respirable particulate		respirable particulate	respirable particulate
	matter		matter	matter

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
LIMESTONE	TWA: 10 mg/m <sup>3</sup> ;		TWA: 10 mg/m <sup>3</sup> ;	TWA: 30 mppcf;
	STEL: 20 mg/m <sup>3</sup> ;		STEL: 20 mg/m <sup>3</sup> ;	TWA: 10 mg/m <sup>3</sup> ;
				STEL: 20 mg/m <sup>3</sup> ;
CALCIUM CARBONATE	TWA: 10 mg/m <sup>3</sup> ;		TWA: 10 mg/m <sup>3</sup> ;	TWA: 30 mppcf;
	STEL: 20 mg/m <sup>3</sup> ;		STEL: 20 mg/m <sup>3</sup> ;	TWA: 10 mg/m <sup>3</sup> ;
				STEL: 20 mg/m <sup>3</sup> ;
CARBON BLACK	TWA: 3.5 mg/m <sup>3</sup> ;	TWA: 3 mg/m <sup>3</sup> ;	TWA: 3.5 mg/m <sup>3</sup> ;	TWA: 3.5 mg/m <sup>3</sup> ;
	STEL: 7 mg/m <sup>3</sup> ;	inhalable particulate	STEL: 7 mg/m <sup>3</sup> ;	STEL: 7 mg/m³;
		matter		
STEARIC ACID		TWA: 10 mg/m <sup>3</sup> ;		
		inhalable particulate		
		matter		
		TWA: 3 mg/m³;		
		respirable particulate		
		matter		

## **Appropriate engineering controls**

Engineering controls Showers

Eyewash stations Ventilation systems.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** Use appropriate respiratory protection.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and

immediately after handling the product.

# 9. Physical and chemical properties

Tag Closed Cup

Air = 1

Information on basic physical and chemical properties

Physical state Paste / Gel Liquid

Appearance Paste Color Black

Odor No information available Odor threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

**pH** No data available

Melting point / freezing pointNo data availableBoiling point / boiling rangeNo data availableFlash point> 95 °C / 203 °F

Evaporation rate Not applicable Flammability (solid, gas) No data available

Flammability (solid, gas)
Flammability Limit in Air

Upper flammability limit: No data available Lower flammability limit: No data available

Vapor pressure <5 mm Hg Vapor density 3.0

Relative density 1.43

Water solubility

Solubility(ies)

Partition coefficient
Autoignition temperature
Decomposition temperature
Kinematic viscosity

Not applicable
No data available

Particle characteristics

Particle Size No data available
Particle Size Distribution No data available

Other information

Explosive properties

Oxidizing properties

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**None known based on information supplied.

**Incompatible materials**None known based on information supplied.

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

**Product Information** 

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** May cause sensitization by skin contact. Specific test data for the substance or mixture is

not available. Repeated or prolonged skin contact may cause allergic reactions with

susceptible persons. (based on components).

**Ingestion** Specific test data for the substance or mixture is not available.

## Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Itching. Rashes. Hives.

Acute toxicity .

**Numerical measures of toxicity** 

## The following ATE values have been calculated for the mixture

 ATEmix (oral)
 14,669.30 mg/kg

 ATEmix (dermal)
 5,926.70 mg/kg

 ATEmix (inhalation-gas)
 99,999.00 ppm

 ATEmix (inhalation-vapor)
 99,999.00 mg/l

 ATEmix (inhalation-dust/mist)
 11.40 mg/l

3.24 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

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

33.76 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

33.76 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

10.01 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information** 

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
CALCIUM CARBONATE 471-34-1	= 6450 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 3 mg/L (Rat)4 h
CARBON BLACK 1333-86-4	> 10000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 4.6 mg/m³ (Rat) 4 h
STEARIC ACID 57-11-4	= 4600 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
2-BUTANONE OXIME 96-29-7	= 930 mg/kg (Rat)	1000 - 1800 mg/kg (Rabbit)	> 4.83 mg/L (Rat) 4 h

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

**Skin corrosion/irritation**No information available.

Serious eye damage/eye irritation No information available.

**Respiratory or skin sensitization** May cause an allergic skin reaction.

Germ cell mutagenicity No information available.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for

ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
CARBON BLACK	A3 - Confirmed Animal	Group 2B - Possibly	-	Present
1333-86-4	Carcinogen with	carcinogenic to humans		
	Unknown Relevance to	_		
	Humans			

**ACGIH (American Conference of Governmental Industrial Hygienists)** 

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly carcinogenic to humans

Occupational Safety and Health Administration of the US Department of Labor

X - Present

Reproductive toxicity No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure**No information available.

**Aspiration hazard** No information available.

# 12. Ecological information

**Ecotoxicity** Harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	
2-BUTANONE OXIME	EC50: =83mg/L (72h,	LC50: 777 - 914mg/L	-	EC50: =750mg/L (48h,
96-29-7	Desmodesmus	(96h, Pimephales		Daphnia magna)
	subspicatus)	promelas)		
		LC50: =760mg/L (96h,		
		Poecilia reticulata)		

Persistence and degradability No information available.

#### **Bioaccumulation**

Component Information

omponent information					
Chemical name	Partition coefficient				
2-BUTANONE OXIME	0.65				
96-29-7					

Other adverse effects No information available.

# 13. Disposal considerations

## Waste treatment methods

Waste from residues/unused

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation

**products** environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

US EPA Waste Number Waste designations and classifications should be determined by the end user based on the

application for which the product was used.

# 14. Transport information

**DOT** Not regulated

MEX Not regulated

IATA Not regulated

IMDG Not regulated

# 15. Regulatory information

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

Not regulated

#### **International Regulations**

TDG

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

#### **International Inventories**

**TSCA** Complies **DSL/NDSL** Complies Complies **EINECS/ELINCS** Not determined **ENCS** Complies **IECSC** Complies KECI Complies **PICCS** Not determined **AICS NZIoC** 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 Chemicals Inventory

PICCS - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

#### **US Federal Regulations**

#### <u>SARA 313</u>

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

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

## **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 - 1333-86-4	*Carcinogen (airborne, unbound particles of respirable size)

<sup>\*</sup>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	Χ	X	X
1317-65-3			
CARBON BLACK	X	X	X
1333-86-4			

#### U.S. EPA Label Information

## EPA Pesticide Registration Number Not applicable

# 16. Other information

NFPA Health hazards 2 Flammability 1 Instability 0 Special hazards - HMIS Health hazards 2 Flammability 1 Physical hazards 0 Personal protection X Chronic Hazard Star Legend \*= Chronic Health Hazard

#### Key or legend to abbreviations and acronyms used in the safety data sheet

## Legend

SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

STOT: Specific Target Organ Toxicity

ATE: Acute Toxicity Estimate LC50: 50% Lethal Concentration

LD50: 50% Lethal Dose

## Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

+ Sensitizers

## Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

U.S. Environmental Protection Agency

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan National Institute of Technology and Evaluation (NITE)

Revision Date 19-Nov-2024

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set

United Nations World Health Organization (WHO)

Revision Date 19-Nov-2024

**Revision Note** No information available.

**Disclaimer** 

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.