



# 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 29-Apr-2025

Version 3

## 1. Identification

### Product identifier

**Product Name** ULTRA RED 13 OZ CARTRIDGE

### Other means of identification

**Product Code** 81624

**Synonyms** None

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

#### 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

### 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

This product is not considered hazardous by either the US OSHA Hazard Communication Standard 2024, or Canada Hazardous Products Act (HPA) and Hazardous Products Regulation (HPR), as amended.

### Label elements

#### **Hazard statements**

This product is not considered hazardous by either the US OSHA Hazard Communication Standard 2024, or Canada Hazardous

Products Act (HPA) and Hazardous Products Regulation (HPR), as amended.

5.325 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.  
 34.01 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.  
 76.285 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).  
 76.285 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).  
 76.285 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

#### Other Information

No information available.

### 3. Composition/information on ingredients

#### Substance

Not applicable.

#### Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
CALCIUM CARBONATE	471-34-1	10-30%	-	-
IRON OXIDE	1309-37-1	10-30%	-	-
STEARIC ACID	57-11-4	1-5%	-	-

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Ingestion</b>	Rinse mouth.

#### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	No information available.
<b>Effects of Exposure</b>	No information available.

#### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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### 5. Fire-fighting measures

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the chemical</b>	No information available.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	None.
<b>Special protective equipment and precautions for fire-fighters</b>	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** Ensure adequate ventilation.

### 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** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

**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.

### 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
CALCIUM CARBONATE 471-34-1	-	-	TWA: 10 mg/m <sup>3</sup> ; total dust TWA: 5 mg/m <sup>3</sup> ; respirable dust
IRON OXIDE 1309-37-1	TWA: 5 mg/m <sup>3</sup> respirable particulate matter	TWA: 10 mg/m <sup>3</sup> fume TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> fume and total dust Iron oxide (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction regulated under Rouge	TWA: 5 mg/m <sup>3</sup> ; Fe dust and fume IDLH: 2500 mg/m <sup>3</sup> Fe dust and fume

STEARIC ACID 57-11-4	TWA: 10 mg/m <sup>3</sup> inhalable particulate matter TWA: 3 mg/m <sup>3</sup> respirable particulate matter	-	-
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Chemical name	Alberta	British Columbia	Ontario	Quebec
CALCIUM CARBONATE 471-34-1	TWA: 10 mg/m <sup>3</sup> ;	-	-	TWAEV: 10 mg/m <sup>3</sup> ; total dust
IRON OXIDE 1309-37-1	TWA: 5 mg/m <sup>3</sup> ; respirable	TWA: 10 mg/m <sup>3</sup> ; total particulate TWA: 3 mg/m <sup>3</sup> ; respirable particulate TWA: 5 mg/m <sup>3</sup> ; dust and fume STEL: 10 mg/m <sup>3</sup> ; fume	TWA: 5 mg/m <sup>3</sup> ; respirable particulate matter	TWAEV: 5 mg/m <sup>3</sup> ; dust and fume
STEARIC ACID 57-11-4	-	TWA: 10 mg/m <sup>3</sup> ; inhalable TWA: 3 mg/m <sup>3</sup> ; respirable	TWA: 10 mg/m <sup>3</sup> ; inhalable particulate matter TWA: 3 mg/m <sup>3</sup> ; respirable particulate matter	TWAEV: 10 mg/m <sup>3</sup> ; inhalable aerosol fraction TWAEV: 3 mg/m <sup>3</sup> ; respirable aerosol fraction

Chemical name	Manitoba	New Brunswick	Newfoundland and Labrador	Nova Scotia
IRON OXIDE	TWA: 5 mg/m <sup>3</sup> ; respirable particulate matter	TWA: 5 mg/m <sup>3</sup> ; respirable fraction	TWA: 5 mg/m <sup>3</sup> ; respirable particulate matter	TWA: 5 mg/m <sup>3</sup> ; respirable particulate matter
STEARIC ACID	TWA: 10 mg/m <sup>3</sup> ; inhalable particulate matter TWA: 3 mg/m <sup>3</sup> ; respirable particulate matter		TWA: 10 mg/m <sup>3</sup> ; inhalable particulate matter TWA: 3 mg/m <sup>3</sup> ; respirable particulate matter	TWA: 10 mg/m <sup>3</sup> ; inhalable particulate matter TWA: 3 mg/m <sup>3</sup> ; respirable particulate matter

Chemical name	Nunavut	Prince Edward Island	Saskatchewan	Yukon
CALCIUM CARBONATE	TWA: 10 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> ;	TWA: 30 mppcf; TWA: 10 mg/m <sup>3</sup> ; STEL: 20 mg/m <sup>3</sup> ;
IRON OXIDE	TWA: 5 mg/m <sup>3</sup> ; dust and fume TWA: 10 mg/m <sup>3</sup> ; STEL: 10 mg/m <sup>3</sup> ; dust and fume STEL: 20 mg/m <sup>3</sup> ;	TWA: 5 mg/m <sup>3</sup> ; respirable particulate matter	TWA: 5 mg/m <sup>3</sup> ; dust and fume TWA: 10 mg/m <sup>3</sup> ; STEL: 10 mg/m <sup>3</sup> ; dust and fume STEL: 20 mg/m <sup>3</sup> ;	TWA: 5 mg/m <sup>3</sup> ; fume TWA: 30 mppcf; TWA: 10 mg/m <sup>3</sup> ; STEL: 10 mg/m <sup>3</sup> ; fume STEL: 20 mg/m <sup>3</sup> ;
STEARIC ACID		TWA: 10 mg/m <sup>3</sup> ; inhalable particulate matter TWA: 3 mg/m <sup>3</sup> ; respirable particulate matter		

### Biological occupational exposure limits

### Appropriate engineering controls

#### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

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

<b>Eye/face protection</b>	Appropriate eye/face protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.
<b>Hand protection</b>	Appropriate hand protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.
<b>Skin and body protection</b>	Appropriate skin and body protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.
<b>Respiratory protection</b>	Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

<b>Physical state</b>	Paste / Gel Liquid
<b>Appearance</b>	Paste
<b>Color</b>	Red
<b>Odor</b>	Mild
<b>Odor threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	No data available	
<b>Melting point / freezing point</b>	No data available	
<b>Boiling point / boiling range</b>	No data available	
<b>Flash point</b>	> 95 °C / 203.0 °F	
<b>Evaporation rate</b>	Not applicable	
<b>Flammability (solid, gas)</b>	No data available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No data available	
<b>Lower flammability limit:</b>	No data available	
<b>Vapor pressure</b>	No data available	
<b>Vapor density</b>	No data available	
<b>Relative density</b>	No data available	
<b>Water solubility</b>	No Data Available	
<b>Solubility(ies)</b>	No data available	
<b>Partition coefficient</b>	No data available	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	No data available	
<b>Kinematic viscosity</b>	No data available	
<b>Dynamic viscosity</b>	No data available	
<b>Particle characteristics</b>		
<b>Particle Size</b>	No data available	
<b>Particle Size Distribution</b>	No data available	

**Other information**

<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available
<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC content</b>	No information available
<b>Density</b>	1.44-1.50

**Bulk density** 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** None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

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

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

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

**Symptoms** No information available.

### Acute toxicity

### Numerical measures of toxicity

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

**ATEmix (oral)** 17,204.00 mg/kg  
**ATEmix (dermal)** 11,681.50 mg/kg  
**ATEmix (inhalation-gas)** 99,999.00 ppm  
**ATEmix (inhalation-vapor)** 99,999.0000 mg/l  
**ATEmix (inhalation-dust/mist)** 99,999.000 mg/l

5.325 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 34.01 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 76.285 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 76.285 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 76.285 % 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
IRON OXIDE 1309-37-1	> 10000 mg/kg ( Rat )	-	-
STEARIC ACID 57-11-4	= 4600 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-

### 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** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Based on available data, the classification criteria are not met.

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

Chemical name	ACGIH	IARC	NTP	OSHA
IRON OXIDE 1309-37-1	A4 - Not Classifiable as a Human Carcinogen	Group 3 - Unclassifiable as to carcinogenicity in humans	-	-

**Legend**

**IARC (International Agency for Research on Cancer)**

Group 3 - Not classifiable as to carcinogenicity in humans

**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** The environmental impact of this product has not been fully investigated.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
IRON OXIDE 1309-37-1	-	LC50: =100000mg/L (96h, Danio rerio)	-	-

**Persistence and degradability** No information available.

**Bioaccumulation**

**Component Information**

**Other adverse effects** No information available.

## 13. Disposal considerations

### Waste treatment methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with 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

<b>DOT</b>	Not regulated
<b>TDG</b>	Not regulated
<b>MEX</b>	Not regulated
<b>ICAO (air)</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

## 15. Regulatory information

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

#### International Regulations

**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

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Complies
<b>KECI</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	Not Determined

#### **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

##### **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**

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
METHANOL - 67-56-1	Developmental

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

Chemical name	New Jersey	Massachusetts	Pennsylvania
IRON OXIDE 1309-37-1	X	-	X
ALUMINIUM POWDER 7429-90-5	X	X	X
METHANOL 67-56-1	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. Other information**

<b>NFPA</b>	Health hazards 0	Flammability 1	Instability 0	Special hazards -
<b>HMIS</b>	Health hazards 0	Flammability 1	Physical hazards 0	Personal protection X

**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)

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** 29-Apr-2025

**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.**