



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Revision Date 13-May-2024

Version 9

## 1. IDENTIFICATION

### Product identifier

**Product Name** PX 120GA BELT DRESSING 5 OZ.

### Other means of identification

**Product Code** 80074

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

**Recommended Use** Aerosol Lubricant

**Uses advised against** 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

**Company Phone Number** 866-732-9502

#### 24-hour emergency phone number

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

**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)

Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

### Label elements

Emergency Overview

**Signal word****Danger**

May cause genetic defects  
May cause cancer  
Causes mild skin irritation  
Suspected of damaging fertility or the unborn child  
May cause damage to organs through prolonged or repeated exposure  
May be harmful if swallowed and enters airways  
Extremely flammable aerosol  
Contains gas under pressure; may explode if heated

**Appearance** White**Physical state** Liquid Aerosol**Odor** Solvent**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  
Do not breathe dust/fume/gas/mist/vapors/spray  
Contaminated work clothing must not be allowed out of the workplace  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Pressurized container may burst if heated  
Do not spray on an open flame or other ignition source  
Do not pierce or burn, even after use

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention

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 water  
If skin irritation or rash occurs: Get medical advice/attention  
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting  
Get medical advice/attention  
IN CASE OF FIRE: Use CO<sub>2</sub>, dry chemical, or foam to extinguish.

**Precautionary Statements - Storage**

Protect from sunlight. Do not expose to temperatures exceeding 49 °C/120 °F  
Store in a well-ventilated place. Keep container tightly closed  
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**

Causes mild skin irritation. Toxic to aquatic life with long lasting effects. Harmful to aquatic life.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
N-HEXANE	110-54-3	1-10
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT	64742-49-0	1-10
BUTANE	106-97-8	1-10
PROPANE	74-98-6	1 - <2.5%
SODIUM NITRITE	7632-00-0	0.5 - <1%
CYCLOHEXANE	110-82-7	0.5 - <1%

### 4. FIRST AID MEASURES

#### Description of first aid measures

<b>General advice</b>	Get medical advice/attention if you feel unwell.
<b>Eye contact</b>	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.
<b>Skin contact</b>	IF ON SKIN: Wash skin with soap and water. If skin irritation persists, call a physician. Take off contaminated clothing and wash before reuse.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
<b>Ingestion</b>	IF SWALLOWED: Call a physician or poison control center immediately. Do NOT induce vomiting.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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

**Symptoms** See section 2 for more information.

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

**Note to physicians** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), Use dry chemical, Foam

#### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire

#### Specific hazards arising from the chemical

Flammable Aerosol. Contains gas under pressure; may explode if heated.

**Hazardous combustion products** No information available.

**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** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

**Other Information** Ventilate the area.

**Environmental precautions**

**Environmental precautions** See section 12 for additional ecological information.

**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** Do not direct water at spill or source of leak.

**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** Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Contents under pressure. Do not puncture or incinerate cans.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Protect from sunlight. Do not expose to temperatures exceeding 49 °C/120 °F. Store locked up.

**Incompatible materials** No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
N-HEXANE 110-54-3	TWA: 50 ppm Sk*	TWA: 500 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 180 mg/m <sup>3</sup>	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m <sup>3</sup>
BUTANE 106-97-8	STEL: 1000 ppm explosion hazard	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 1600 ppm TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>

PROPANE 74-98-6	: See Appendix F: Minimal Oxygen Content, explosion hazard Simple asphyxiant	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
CYCLOHEXANE 110-82-7	TWA: 100 ppm	TWA: 300 ppm TWA: 1050 mg/m <sup>3</sup> (vacated) TWA: 300 ppm (vacated) TWA: 1050 mg/m <sup>3</sup>	IDLH: 1300 ppm TWA: 300 ppm TWA: 1050 mg/m <sup>3</sup>

NIOSH IDLH *Immediately Dangerous to Life or Health*

**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).
- 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**        Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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

**Physical state**                                Liquid Aerosol  
**Appearance**                                 White  
**Odor**    Solvent  
**Color**    Solvent  
**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	100 °C / 212 °F	
Flash point	< -20 °C / < -4 °F	(based on components)
Evaporation rate	< 1	Butyl acetate = 1
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	35 psig @ 70°F	
Vapor density	No information available	Air = 1
Relative density	0.97	
Water solubility	Soluble in water	
Solubility(ies)	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Hyphen	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

**Other information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>Density</b>	No information available
<b>Bulk density</b>	자료 없음
<b>SADT (self-accelerating decomposition temperature)</b>	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.

**Hazardous polymerization**

No information available.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

No information available

**Hazardous decomposition products**

Carbon oxides

**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.
<b>Ingestion</b>	Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
N-HEXANE 110-54-3	= 25 g/kg ( Rat )	= 3000 mg/kg ( Rabbit )	= 48000 ppm ( Rat ) 4 h
NAPHTHA (PETROLEUM), HYDROTREATED LIGHT 64742-49-0	> 5000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 73680 ppm ( Rat ) 4 h
BUTANE 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h
PROPANE 74-98-6	-	-	> 800000 ppm ( Rat ) 15 min
SODIUM NITRITE 7632-00-0	= 85 mg/kg ( Rat )	-	= 5.5 mg/L ( Rat ) 4 h
CYCLOHEXANE 110-82-7	= 12705 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 32880 mg/m <sup>3</sup> ( Rat ) 4 h

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

**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
SODIUM NITRITE 7632-00-0	-	Group 2A	-	X

IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

Occupational Safety and Health Administration of the US Department of Labor

X - Present

**Target organ effects** Central nervous system, Eyes, Peripheral Nervous System (PNS), Respiratory system, Skin.

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

**ATEmix (oral)** 13659 mg/kg

**ATEmix (dermal)** 25662 mg/kg

**ATEmix (inhalation-gas)** 3654723 mg/l

**ATEmix (inhalation-vapor)** 480000 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

0 % 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
N-HEXANE 110-54-3	4
BUTANE 106-97-8	2.31
PROPANE 74-98-6	1.09
SODIUM NITRITE 7632-00-0	-3.7
CYCLOHEXANE 110-82-7	3.93

**Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated packaging** Do not reuse container.

US EPA Waste Number D001

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

Chemical name	California Hazardous Waste Status
N-HEXANE 110-54-3	Toxic Ignitable
SODIUM NITRITE 7632-00-0	Toxic Ignitable Reactive
CYCLOHEXANE 110-82-7	Toxic Ignitable

#### 14. TRANSPORT INFORMATION

##### DOT

UN/ID No 1950  
 Proper shipping name Aerosols, Limited Quantity (LQ)  
 Transport hazard class(es) 2.1  
 Emergency Response Guide Number 126

##### IATA

UN number or ID number ID 8000  
 Proper shipping name Consumer commodity  
 Transport hazard class(es) 9  
 ERG Code 9L

##### IMDG

UN number or ID number 1950  
 Proper shipping name Aerosols, Limited Quantity (LQ)  
 Transport hazard class(es) 2.1  
 EmS-No F-D, S-U

#### 15. REGULATORY INFORMATION

##### International Inventories

TSCA Complies  
 DSL/NDL Complies  
 EINECS/ELINCS Complies  
 ENCS Does not comply  
 IECSC Complies  
 KECI Complies  
 PICCS Complies  
 AICS Complies

##### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
N-HEXANE - 110-54-3	1.0
SODIUM NITRITE - 7632-00-0	1.0
CYCLOHEXANE - 110-82-7	1.0

**SARA 311/312 Hazard Categories**

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

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
SODIUM NITRITE 7632-00-0	100 lb	-	-	X
CYCLOHEXANE 110-82-7	1000 lb	-	-	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
N-HEXANE 110-54-3	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
SODIUM NITRITE 7632-00-0	100 lb	-	RQ 100 lb final RQ RQ 45.4 kg final RQ
CYCLOHEXANE 110-82-7	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

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

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
N-HEXANE 110-54-3	Developmental

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

Chemical name	New Jersey	Massachusetts	Pennsylvania
WATER 7732-18-5	-	-	X
N-HEXANE 110-54-3	X	X	X
BUTANE 106-97-8	X	X	X
PROPANE 74-98-6	X	X	X
SODIUM NITRITE 7632-00-0	X	X	X
CYCLOHEXANE 110-82-7	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**WHMIS Hazard Class**

A Compressed gases, B5 - Flammable aerosol, D2B - Toxic materials

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

<u>NFPA</u>	Health hazards 2	Flammability 3	Instability 0	-
<u>HMIS</u>	Health hazards 2	Flammability 3	Physical hazards 0	Personal protection B

Revision Date 13-May-2024

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**End of Safety Data Sheet**