

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	PERMA FLEX RED
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2187
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Hi Temp Silicone Gasket Maker
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2187.15
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2019-07-22
		REPLACES VERSION DATED:	01-11-2019 and all prior versions

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification Gases under pressure compressed gas
Eye Irritation – Category 2A
Skin Irritation – Category 2

Label elements



Signal word WARNING

Hazard statements H280-Contains gas under pressure; may explode if heated.
H319-Causes serious eye irritation
H315-Causes skin irritation

Precautionary statements P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves and eye protection
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical attention.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P410+P403 - Protect from sunlight. Store in a well-ventilated place.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Methyl Siloxane Linear/Cyclic	70131-67-8	52% - 82%
Silica, Amorphous	7631-86-9	5% - 12%
Mineral Seal Oil	64742-46-7	1% - 4%
Methyltriacetoxysilane	4253-34-3	1% - 4%
Ethyltriacetoxysilane	17689-77-9	1% - 4%
Diflouroethane	75-37-6	1% - 2%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4: FIRST AID MEASURES

Inhalation No ill effects expected. If exposed/feel unwell/concerned: Get medical attention.
Skin contact Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.
Eye contact Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.
Ingestion Ingestion is not a likely route of exposure. Get medical attention if you feel unwell.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media Use extinguishing media suitable for surrounding fire.

Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not classified as flammable but contains a flammable propellant. Contents under pressure. Burning may produce silicon oxides; carbon oxides. Exposure of containers to heat and flames can cause them to rupture often with violent force.
Special protective equipment and precautions for firefighters	Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting cans.
Fire-fighting procedures	Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Ventilate area. Wear appropriate clothing and equipment.
Personal precautions	Avoid breathing vapors. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.
Environmental precautions	Avoid release to environment. Inform appropriate managerial or supervisory personnel of all environmental releases.
Recommended Equipment	Wear appropriate protective equipment (see Section 8). Place leaking can in a pail in a well-ventilated area until pressure has dissipated. Collect residual liquid using inert absorbents and place into a suitable container for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with eyes and skin. Avoid breathing vapors or gas. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Contents under pressure, do not puncture or incinerate containers. Do not puncture or incinerate (burn) cans. Do not spray in eyes. Do not take internally.
Ventilation Requirements	Use in well ventilated place.
Conditions for safe storage, including any incompatibilities	Store and use in a cool, dry, well-ventilated area, away from oxidizers and other incompatible materials. Do not store in direct sunlight or above 120°F (49°C).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Component</u>	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA Tables <u>Z1,2,3</u>	NIOSH TWA (mg/m3)	ACGIH TWA (mg/m3)
Difluoroethane		2.5	1		2.5
Mineral Seal Oil	500	2000	1		
Silica, Amorphous	20 (b)	80 mg/m3 Percent SiO2+2	1,3	6	
Eye/face protection	Safety glasses with side shields should be used if indicated. Eye wash and safety showers in the workplace are recommended.				
Skin protection	Use solvent resistant protective gloves for prolonged or repeated contact.				
Respiratory protection	In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved airline respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.				
Appropriate Engineering Controls	Ventilation should be sufficient to prevent inhalation of any vapors.				

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Color	Red
Form	Thick liquid under pressure (Viscous paste)
Odor	Acetic acid
Flash point	> 212°F (100°C) closed cup (Liquid component)
Flammability	Flash point at or above 200°F (93°C)
Density	1.81942 lb/gal

Density VOC	0.25160 lb/gal
% VOC	3.078%
Melting point/boiling point	N/A
Auto-igniting	N/A
pH	N/A
Solubility in water	N/A
Vapor density	N/A
Vapor pressure	N/A
Viscosity	N/A
Evaporation Rate	N/A
Lower Explosion Level	N/A
Upper Explosion Level	N/A
Freezing Point	N/A
Decomposition point	N/A

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal storage conditions
Possibility of hazardous reactions	None known
Conditions to avoid	Keep away from heat, sparks, extreme temperature, flame, other sources of ignition and incompatible materials.
Hazardous decomposition products	Burning may produce silicon oxides; carbon oxides.
Incompatible materials	Strong acids, strong bases, strong oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

Skin corrosion/irritation	Causes skin irritation.
Classification of the substance or mixture	There is no toxicological data available for this product.
Serious eye contact	Causes serious eye irritation
Carcinogenicity	No data available.
Germ Cell Mutagenicity	No data available.
Reproductive toxicity	No data available.
Respiratory/skin sensitization	No data available.
Specific target organ toxicity-single exposure	No data available.
Specific target organ toxicity-repeated exposure	No data available.
Aspiration hazard	No data available.
Acute toxicity	No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	No data available.
Classification of the substance or mixture	There is no ecological data available for this product.
Persistence and degradability	No data available.
Bio-accumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14: TRANSPORT INFORMATION

DOT

UN Number	UN1950
Proper Shipping Name	Aerosols, non-flammable (each not exceeding 1 L capacity) (LTD QTY)
Hazard Class	2.2

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

SECTION 15: REGULATORY INFORMATION

COMPONENT	% by Weight	REGULATION
Methyl Siloxane Linear/Cyclic (70131-67-8)	52% - 92%	SARA312, TSCA
Silica, Amorphous (7631-86-9)	5% - 12%	SARA312, TSCA, OSHA
Mineral Seal Oil (64742-46-7)	1% - 4%	SARA312, TSCA, OSHA
Methyltriacetoxysilane (4253-34-3)	1% - 4%	SARA312, TSCA
Ethyltriacetoxysilane (17689-77-9)	1% - 4%	SARA312, TSCA
Difluoroethane (75-37-6)	1%-2%	SARA 312, VOC-exempt, TSCA, ACGIH, OSHA

* There are points of differences between OSHA GHS and UN GHS. In 90% of the categories, they can be used interchangeably, but for the Skin Corrosion/Irritant Category and the Specific Target Organ Toxicity (Single and Repeated Exposure) Categories. In these cases, our system will say UN GHS.

SECTION 16: OTHER INFORMATION

Important Note: *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

End of SDS