

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:	2187.17
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2024-03-29
		REPLACES VERSION DATED:	2023-10-04 and all prior versions

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	Gases under pressure; compressed gas
Health	Non-Hazardous
Label elements	



Signal word	WARNING
Hazard statements	H280-Contains gas under pressure; may explode if heated.
Precautionary statements	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>
1,1-Difluoroethane	75-37-6	<1

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

SECTION 4: FIRST AID MEASURES

Inhalation	If symptoms of exposure develop, remove to fresh air. Seek medical attention if breathing problem or irritation persists.
Skin contact	Wash exposed skin with soap and water for several minutes. If skin irritation develops, seek medical attention.
Eye contact	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 or attention.
Ingestion	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Important symptoms	Vapors may cause mild respiratory irritation.
Indication of immediate medical attention/special treatment needed	None known.

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	Wear positive pressure self-contained breathing apparatus and full protective clothing.
Fire-fighting procedures	Cool fire-exposed containers with water. Use shielding to protect against bursting cans.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	Ventilate the area. Wear appropriate protective clothing and equipment.
Environmental precautions	Report release as required by local and national regulations.
Methods and materials for containment and clean up	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.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well-ventilated area, away from strong oxidizers and other incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C. (NFPA 30B) Level 1 Aerosol.

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)
1,1-Difluoroethane	1000				
Eye/face protection	Safety glasses are recommended if eye contact is possible.				
Skin protection	Impervious gloves recommended to avoid skin contact.				
Respiratory protection	None under normal use conditions. For operations where the exposure limits may be exceeded, a NIOSH approved supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134; all applicable laws and regulations; and good industrial hygiene practice.				
Other protective equipment/clothing	None required.				
Appropriate Engineering Controls	General ventilation should be adequate for normal use. For operations where the exposure limits may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.				

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Color	Aluminum
Form	Thick liquid under pressure (Viscous paste)
Odor	Acid
Flash point	> 212°F (100°C) closed cup (Liquid component)
Flammability	Flash point at or above 200°F (93°C)
Density (water = 1)	1.007
Density VOC	N/A
% VOC	N/A
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

Reactivity	Not normally reactive.
Chemical stability	Stable under normal storage and handling conditions.
Possibility of hazardous reactions	None expected.
Conditions to avoid	Keep away from excessive heat, and open flames. Containers may rupture at temperatures > 120°F (48.8°C).
Hazardous decomposition products	Burning may produce silicon oxides; carbon oxides.
Incompatible materials	Strong oxidizing agents, strong bases, and strong acids.

SECTION 11: TOXICOLOGICAL INFORMATION

Skin corrosion/irritation	May cause mild irritation.
Eye contact	May cause mild irritation.
Inhalation	Vapors can irritate the throat and respiratory tract.
Ingestion	Swallowing may cause gastrointestinal disturbances.
Chronic effects	None expected.
Carcinogenicity	None of the components listed is a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA
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.
Numerical Measures of Toxicity	1,1-Difluoroethane 75-37-6 LC50 Inhalation Rat: 437,500 ppm/4h

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	
1,1-Difluoroethane	75-37-6 LC50 Fish 719.61 mg/L/ 96hr (Calculated)
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	Dispose of in accordance with all local, state, and federal regulations. Offer empty containers for recycling.
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SECTION 14: TRANSPORT INFORMATION

DOT	
UN Number	UN1950
Proper Shipping Name	Aerosols (LTD QTY)
Hazard Class	2.2

SECTION 15: REGULATORY INFORMATION

EPA TSCA Inventory	All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.
CERCLA Section 103	This product has no RQ, however, oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
SARA Hazard Category 311/312	Classified under OSHA Hazcom 2012 GHS as per Section 2 of this SDS.
SARA 313	This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None
California Proposition 65	Warning not required.

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