

SAFETY DATA SHEET



Date Prepared : 04/23/2015
SDS No : 0023-04-2015L HINO
Date-Revised : 06/23/2015
Revision No : 1

HINO 1207C

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HINO 1207C
PRODUCT DESCRIPTION: Silicone Gasket
PRODUCT CODE: 041321207A

DISTRIBUTOR

ThreeBond International, Inc.
6184 Schumacher Park Drive
West Chester, OH 45069
Emergency Phone: (513) 779-7300

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Domestic North America):(800) 424 - 9300
CHEMTREC (International):(703) 527 - 3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Physical:

Flammable Liquids, Category 3

GHS LABEL



Flame

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H226: Flammable liquid and vapour.

Precautionary statement(s)

Prevention:

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P240: Ground and bond container and receiving equipment.
- P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.
- P242: Use non-sparking tools.
- P243: Take action to prevent static discharges.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P370+P378: In case of fire: Use foam, CO₂, or dry sand to extinguish.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of contents/container to appropriate facility according to local regulations

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Reddish brown

IMMEDIATE CONCERNS: May cause irritation to eyes and skin.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation

SKIN: May cause skin irritation

SKIN ABSORPTION: May be harmful if absorbed through the skin

INGESTION: May be harmful if swallowed; Ingestion is an unlikely route of entry in industrial uses

INHALATION: May be harmful if inhaled.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Silica	50 - 60	
Silicone resin	40 - 50	
Iron oxide	1 - 3	1309-37-1
Alkenoxysilane	1 - 3	

COMMENTS: Acetone (67-64-1): Cracked gas

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

SKIN: Wash soap and water. Remove contaminated clothing. If skin irritation or rash occurs, get medical advice, attention.

INGESTION: Rinse mouth; Get medical advice, attention

INHALATION: In case of poisoning, remove victim to fresh air, calm down, keep warm then get medical advice, attention

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Causes eye irritation. Symptoms may include stinging/pain, tearing, redness, swelling, and blurred vision.

CHRONIC EFFECTS: Delayed symptoms may include severe eye irritation, stinging/pain, tearing, redness, swelling, and blurred vision.

NOTES TO PHYSICIAN: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Flammable liquid and vapor

GENERAL HAZARD: By heating and fire, harmful vapors/gases may be formed.

EXTINGUISHING MEDIA: Dry powder, alcohol-resistant foam and carbon dioxide extinguisher, dry sand, and water spray.

HAZARDOUS COMBUSTION PRODUCTS: May produce poisonous and irritated gases upon a fire

FIRE FIGHTING PROCEDURES: Workers should wear appropriate protection (glasses, clothes, mask for poisonous gasses, etc.), then extinguishing should be performed up wind.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Then extinguish should be performed up wind.

FIRE EXPLOSION: In case of fire and/or explosion do not breath fumes. Move containers from fire area if you can do so without risk.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb with dry sand, soil, sawdust, cloth, etc., then place in a sealable container.

LARGE SPILL: Dike and prevent overflow. Guide to a safe place then dispose properly.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Take precaution to prevent product to flow into rivers and effect environment.

GENERAL PROCEDURES: All ignition sources should be quickly removed (No smoking in the vicinity, prohibit sparks or fire sources)

RELEASE NOTES: Keep spilled material from entering storm drains, sewers, or other environmental mediums.

SPECIAL PROTECTIVE EQUIPMENT: Workers should wear appropriate protection (glasses, clothes, mask for poisonous gasses, etc.), then extinguishing should be performed up wind.

COMMENTS: Disposal of clean-up materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Take precaution against fire.

HANDLING: Fire strictly prohibited. Wear appropriate personal protection equipment. Wash thoroughly after handling.

STORAGE: Protect from direct sunlight. Store the product at moderate temperature. Store in original container at room temperature.

STORAGE TEMPERATURE: 0°C Minimum to 30°C Maximum

COMMENTS: Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Do not mix this product with other cleaning agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Adequate ventilation may be necessary to control any air contaminants to within the TLV control parameters during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields.

SKIN: Gloves (impervious).

RESPIRATORY: In case of insufficient ventilation, wear NIOSH approved respiratory equipment when exposure limits are exceeded.

PROTECTIVE CLOTHING: Wear solvent resistant or other impervious gloves

WORK HYGIENIC PRACTICES: Wash hands before eating, smoking, or using restroom. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Paste

ODOR: Acetone

ODOR THRESHOLD: Not available

APPEARANCE: Paste

COLOR: Reddish brown

pH: Not available

FLASHPOINT AND METHOD: 25°C (75°F)

FLAMMABLE LIMITS: 2.1% v/v [Acetone] to 13.0% v/v [Acetone]

AUTOIGNITION TEMPERATURE: No data available.

VAPOR PRESSURE: Negligible

VAPOR DENSITY: (Air=1): >1

BOILING POINT: No information available

FREEZING POINT: No information available

MELTING POINT: No information available

THERMAL DECOMPOSITION: No information available

SOLUBILITY IN WATER: Not soluble

EVAPORATION RATE: No information available

DENSITY: Relative Density= 1.48

VISCOSITY #1: to 85.0 Pa·s at 25°C

COEFF. OIL/WATER: No information available

10. STABILITY AND REACTIVITY

REACTIVITY: No information available

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal handling

CONDITIONS TO AVOID: None known.

POSSIBILITY OF HAZARDOUS REACTIONS: Reacts to air moisture, slowly generating acetone.

HAZARDOUS DECOMPOSITION PRODUCTS: This product reacts water, moisture or humid air to evolve following compounds: Acetone. Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposed product: Carbon dioxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

INCOMPATIBLE MATERIALS: Strong oxidizing agents. Water, moisture.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: > 20 mg/kg (rat)

Notes: Alkenoxysilane (CAS Proprietary)

INHALATION LC₅₀: 20.1 mg/l, 8 hours (Acetone, decomposed product) Rat

Notes: Acetone, decomposed product.

NOTES: Severe eye irritation. Symptoms may include stinging/pain, tearing, redness, swelling, and blurred vision.

EYE EFFECTS: No data as a product

SKIN EFFECTS: No data as a product

CHRONIC: Prolonged exposure may cause chronic effects.

CARCINOGENICITY

Chemical Name	IARC Status	Other
Iron oxide	3	ACGIH: A4

IARC: Monographs

Crystalline silica 1 Carcinogenic to humans

Iron oxide 3 Not classifiable as a carcinogenicity to humans

NTP: Not listed

OSHA: Not listed

REPRODUCTIVE EFFECTS: Suspected of damaging fertility or the unborn child [Acetone]

TARGET ORGANS: May cause damage to the following organs through prolonged or repeated exposure: Blood. [Acetone]

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data as a product

ECOTOXICOLOGICAL INFORMATION: No data as a product

BIOACCUMULATION/ACCUMULATION: No information available

AQUATIC TOXICITY (ACUTE): No data as a product

96-HOUR LC₅₀: > 100 mg/l (Pimephales promelas)

48-HOUR EC₅₀: 23.9 mg/l (daphnia magna)

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your licensed waste contractor for detailed recommendations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Flammable liquids, n.o.s: (Alkenoxysilane)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1993

PACKING GROUP: III

LABEL: 3

MARINE POLLUTANT #1: No

AIR (ICAO/IATA)

SHIPPING NAME: Flammable liquids, n.o.s: (Alkenoxysilane)

UN/NA NUMBER: UN1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

VESSEL (IMO/IMDG)

SHIPPING NAME: Flammable liquids, n.o.s: (Alkenoxysilane)

UN/NA NUMBER: UN1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

EmS: F-E-, S-E

MARINE POLLUTANT #1: No

15. REGULATORY INFORMATION

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

TSCA STATUS: All ingredients are in compliance with the TSCA

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Iron oxide	This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances. This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances.

CALIFORNIA PROPOSITION 65: WARNING: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. Silica (bound)

16. OTHER INFORMATION

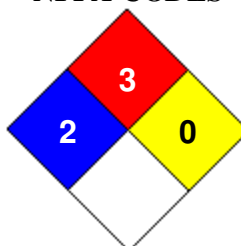
Date-Revised: 06/23/2015

REVISION SUMMARY: This MSDS replaces the 04/23/2015 MSDS. Revised: **Section 9:** BOILING POINT, COEFF. OIL/WATER, EVAPORATION RATE, FREEZING POINT, MELTING POINT, THERMAL DECOMPOSITION. **Section 10:** STABLE.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



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