



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name

Retro Primer (Adhesive)

Alternative names

Retro- Primer (Adhesive) (VOC exempt Acetone)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s)

Primer for Thermoplastic pavement markings

1.3 Details of the supplier of the safety data sheet

Company Identification

Retro Industries LLC
107 N. Ash Avenue
South Pittsburg, TN 37380 USA
Telephone +1 601-954-9576
Mark@retroind.com

E-Mail (competent person)

1.4 Emergency telephone number

Emergency Phone No.

Retro Industries LLC +1 631-954-9576
ChemTrec (800) 424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification

Flammable Liquid Category 2

Eye Irrit. 2

STOT - single exposure Category 3

2.2 Label elements

Hazard pictogram(s)



Signal word(s)

Danger

Hazard statement(s)

Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary statement(s)

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion proof electrical equipment.

Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/eye protection/face protection.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 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.
 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
 Store in a well-ventilated place. Keep container tightly closed. Store locked up.
 Dispose of wastes in an approved waste disposal facility.

2.3 Other hazards

Repeated exposure may cause skin dryness or cracking.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Regulation (EC) No. 1272/2008 (CLP)

Ingredient(s)	%W/W	CAS No.	EINECS No. / REACH Registration	Hazard symbol(s) and hazard statement(s)
Acetone	65-80	67-64-1		

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water. Obtain immediate medical attention.
Skin Contact Wash	affected skin with plenty of water. If symptoms develop, obtain medical attention. Remove contaminated clothing and wash clothing before reuse.
Inhalation	Remove patient from exposure, keep warm and at rest. If symptoms develop, obtain medical attention.
Ingestion	Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. If large amount swallowed or symptoms develop obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed.

Harmful: danger of serious damage to health by prolonged exposure through inhalation and skin contact.

4.3 Indication of any immediate medical attention and special treatment needed

Flush with fresh water if contact with skin or eyes. Get medical advice/attention if you feel unwell.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Extinguish preferably with foam, dry chemical or waterspray or fog.

Unsuitable extinguishing Media

Not available.

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. When heated above the flash point, this material emits flammable vapors which can burn or be explosive. Fine mists/sprays may be flammable at temperatures below the flash point.

5.3 Advice for fire-fighters

The following protective equipment is recommended when this material is present in the area of a fire: chemical goggles, body-covering protective clothing, rubber boots with slip resistant soles.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing. Wear eye/face protection. Wear respiratory protection.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation. Potentially explosive mixtures with air may form above water surfaces. Acetone is completely soluble in water.

6.3 Methods and materials for containment and cleaning up

Contain spillages.

Small spillages: Carefully shovel or sweep up spilled material and place in suitable container. Use appropriate Personal Protective Equipment (PPE).

Large spillages: Keep unnecessary people away; isolate hazard area and deny entry. Keep away from heat and sources of ignition. Do not touch or walk-through spilled material. Use appropriate Personal Protective Equipment (PPE). Finally flush area with plenty of water.

6.4 Reference to other sections

See Also Section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes, skin, and clothing. Clean up spill immediately. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Wear protective equipment to comply with good occupational hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

Do not eat, drink, or smoke at the workplace.

Keep container tightly closed, in a cool, well-ventilated place. Protect from direct sunlight. Store at 40-95°F. Keep in original container. Incompatible materials: those which may compromise packaging such as standing water, acids, salts, or fertilizers.

7.3 Specific end use(s)

Keep in a cool, well-ventilated place. Hot surfaces may ignite liquid even in the absence of sparks or flame. Extinguish pilot lights, cigarettes, and turn off all other sources of ignition prior to use, and until all vapors are gone. Keep containers tightly closed and upright. Avoid pouring unused material back into original container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

SUBSTANCE.	Occupational Exposure Limits
Acetone	STEL: 750 ppm TWA: 500 ppm TWA: 1000 ppm TWA: 2400 mg/m ³ IDLH: 2500 ppm 10% LEL TWA: 250 ppm TWA: 590 mg/m ³

8.2 Exposure controls

8.2.1 Appropriate engineering Controls

Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. Keep container closed. Work in well ventilated zones or use proper respiratory protection.

8.2.2 Personal Protection

Respiratory protection

If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-facepiece respirator, airtight hood, or full-facepiece self-contained breathing apparatus. Observe OSHA regulations for respirator use (29 C.F.R. 1910.134). This substance has poor warning properties.

Eye/face protection

Goggles.

Skin protection

To prevent repeated or prolonged skin contact, wear impervious clothing and boots. According to ASTM F 739 Permeation tests for acetone: Natural latex and butyl rubber are best glove material. Neoprene gloves are acceptable.

8.2.3 Environmental Exposure Controls

Contain spillages.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Odour	Aromatic.
Odour Threshold (ppm)	Not applicable.
pH (Value)	for acetone at 10 g/L: neutral; 50% in water: 5-6
Freezing Point (°C)	for acetone -94.7 °C (-138.4°F)
Melting Point (°C)	25°C
Boiling Point (°C)	for acetone 56°C (133°F)
Flash Point (°C) [Closed cup]	(acetone) -17 deg F Tag. Closed Cup (TCC)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Flammable
Explosive Limit Ranges	Uel (Upper Explosive Limit) 14.30 Vol-% 2.1 (acetone) LEL (Lower Explosion Limit): 2.50 Vol-%
Vapour pressure (Pascal)	240hPa / at 50°C: 800hPa
Vapour Density (Air=1)	Not applicable.
Density (g/ml)	7-7.5
Solubility (Water)	Soluble
Partition Coefficient	Not applicable.
Auto Ignition Point (°C)	385.0°C
Decomposition Temperature (°C)	No data.

Viscosity (mPa. s)	Not applicable.
Explosive properties	Product is not explosive, However, formation of explosive air/vapor mixtures are possible.
Oxidizing Properties	Not applicable.
9.2 Other information	VOC Exempt

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	See Section: 10.2
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None known.
10.4 Conditions to avoid	Keep away from heat and sparks. Prevent vapor accumulation.
10.5 Incompatible materials	Peroxides.
10.6 Hazardous decomposition product(s)	Fumes. Oxides of Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity	
Ingestion	Harmful by ingestion.
Inhalation	May cause respiratory irritation.
Skin Contact	
Eye Contact	Causes serious eye irritation.
Sensitisation	No data.
Mutagenicity	No data.
Carcinogenicity	IARC, NTP, OSHA, ACGIH do not list this product as known or suspected carcinogen.
Reproductive toxicity	No data.
STOT - single exposure	Central nervous depression.
STOT - repeated exposure	Defatting / drying of skin.
Aspiration hazard	No data.
Other information	No data.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Oncorhynchus mykiss: LC50 = 5540 mg/l 96h Alburnus alburnus: LC50 = 11000 mg/l 96h Leuciscus idus: LC50 = 11300 mg/L/48h No data.
12.2 Persistence and degradability	
12.3 Bio accumulative potential	ACETONE has low bio accumulative potential.
12.4 Mobility in soil	No data.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of this material and its container as hazardous waste. Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number	1263
14.2 Proper Shipping Name	Paint
14.3 Transport hazard class(es)	3
14.4 Packing group	II
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not available.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or Mixture

TSCA Inventory Status: Mixture - all components included.
CERCLA RQ: 5000lbs
3,3,0

15.2 Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

This SDS was last reviewed: 05/2018

The following sections contain revisions or new statements: All sections. No significant changes required to this version at last review.

EC Classification No. 67/548/EEC	Not classified as dangerous for supply/use.
Hazard Symbol	
Risk Phrases	
Safety Phrases	
GHS Classification	Flammable Liquid Category 2 Eye Irrit. 2 STOT - single exposure Category 3
Signal word(s)	Danger
Hazard statement(s)	Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.
Precautionary statement(s)	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection/face protection. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of wastes in an approved waste disposal facility.

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