



Material Safety Data Sheet

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

CIM Industries
23 Elm Street
Peterborough, NH
www.chasecorp.com

Transportation Emergency
CHEMTREC: (800)424-9300
CHEMTREC International: (703)527-3887

Non-Transportation
Emergency : Call CHEMTREC
Information: (603) 924-9481

Product Name
CIM VOC Compliant Bonding Agent

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March 12, 2013

Supersedes Date
n/a, first revision

SECTION 2 – HAZARD IDENTIFICATION

Emergency Overview

OSHA Hazards
Flammable liquid, Target Organ Effect, Irritant

Target Organs
Liver, Kidney

Human Effects and Symptoms of Overexposure

Skin
May be harmful if absorbed through skin. Causes skin irritation.

Eye
Causes eye irritation.

Ingestion
May be harmful if swallowed.

Inhalation

May be harmful if inhaled. Causes respiratory tract irritation. Vapors may cause drowsiness and dizziness.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

CAS Number	EC Number	Material	Weight %	ACGIH		OSHA		NIOSH
				TWA	STEL	TWA	STEL	TWA
67-64-1	200-662-2	Acetone	>95%	550 ppm	750 ppm	750 ppm 1,800 mg/m ³	1,000 ppm 2,400 mg/m ³	250 ppm 590 mg/m ³

SECTION 4 – FIRST AID MEASURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact

Wash off with soap and plenty of water. Consult a physician.

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5 – FIREFIGHTING MEASURES

Conditions of Flammability

Material is flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat, sparks, open flames and hot surfaces. No smoking.

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Firefighting Procedures

Wear self-contained breathing apparatus for firefighting if necessary.

Unusual Fire/Explosion Hazard

Hazardous decomposition products formed under fire conditions. - Carbon oxides

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

SECTION 7 – HANDLING AND STORAGE

Storage Temperature

32°C (90°F) Maximum

Storage Period

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Handling/Storage Precautions

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Industrial Hygiene/Ventilation Measures

General local exhaust should be used as necessary to control airborne vapors and thermal decomposition products below appropriate airborne concentration standards/guidelines, especially during high heat operations.

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection

Handle with appropriate solvent resistant gloves and pay attention to breakthrough time. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and Body Protection

Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Additional Protective Measures

Employees should wash their hands before eating, drinking or using tobacco products. Educate and train employees in the safe use and handling of this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Clear
Odor	Solvent
pH	No data available
Melting Point	-94°C (-137°F)
Flash Point	-17°C (1°F) – Closed Cup
Lower Explosion Limit	2% by volume
Upper Explosion Limit	13% by volume
Vapor Pressure@ 20°C (68°F)	184mm Hg
Specific Gravity	0.79
Solubility in Water	Completely Miscible
Autoignition Temperature	>450°C (>842°F)
Percent Volatile (weight)	>99%
VOC	0 g/L (Exempt)

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Vapors may form explosive mixture with air.

Hazardous Polymerization

Will not occur.

Stability

Material is stable under recommended storage conditions.

Materials to Avoid

Bases, Oxidizing agents, Reducing agents, Acetone reacts violently with phosphorous oxychloride.

Conditions to Avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Hazardous Decomposition Products

Material does not decompose at normal working conditions. By fire and thermal decomposition: carbon oxides, hazardous decomposition products due to incomplete combustion.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity Note

No data is available for this product

CAS Number	Material	DERMAL LD50	INHALATION LC50	ORAL LD50
67-64-1	Acetone	7,426 mg/kg (Guinea Pig)	50,100 mg/m ³ 8h (Rat)	5,800 mg/kg (Rat)

CAS Number	Material	Carcinogenicity OSHA/IARC	Teratogenicity	Mutagenicity
67-64-1	Acetone	No	Not Available	Not Available

SECTION 12 – ECOLOGICAL INFORMATION

Ecological Note

No data is available for this product

Ecological Data for Acetone

Acute and Prolonged Toxicity to Fish

LC50: 5,540 mg/l (Oncorhynchus mykiss, 96h)

Acute Toxicity to Aquatic Invertebrates

EC50: 13,500 mg/l (Daphnia magna, 48h)

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Waste Disposal Method

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

SECTION 14 – TRANSPORT INFORMATION

Land Transport (DOT)

UN number: 1090 Class: 3 Packing group: II
Proper shipping name: Acetone
Reportable Quantity (RQ): 5000 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

Sea Transport (IMDG)

UN number: 1090 Class: 3 Packing group: II EMS-No: F-E, S-D
Proper shipping name: ACETONE
Marine pollutant: No

Air Transport (ICAO/IATA)

UN number: 1090 Class: 3 Packing group: II
Proper shipping name: Acetone

SECTION 15 – REGULATORY INFORMATION

OSHA Hazards

Flammable liquid, Target Organ Effect, Irritant

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

Acetone (67-64-1)

Pennsylvania Right To Know Components

Acetone (67-64-1)

New Jersey Right To Know Components

Acetone (67-64-1)

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 – OTHER INFORMATION

Format

This form is designed to meet the guidelines provided by the American National Standards Institute (ANSI) Form Z400.1/Z129.1 – 2010.

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Issued By

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