

Responsible Party: Lilly Ram Chemical Products
 P.O.Box 3337
 Ontario, CA 91761-9998

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Tel: 909-223-9699
 Fax: 909-923-2226
 E: composites@lillyram.com
 Emergency Telephone number: Transport North America: Chemtrec 1-800-424-9300 acct #20095

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS.

Section 1: Product Identification

Product ID: 50-LR90006
 Product Name: WEBBING SOLUTION
 Intended Use: Coatings product

Section 2: Hazard(s) Identification

OSHA/HCS status This material is considered hazardous by the OSHA Hazard Communication Standard(29 CFR 1910.1200).

GHS Classification
 Flammable Liquids: Category 2
 Serious Eye Damage / Irritation: Category 2
 Specific target organ toxicity- single exposure: Category 3 (Narcotic effects)

GHS Label Elements

Hazard pictograms:



Signal Word: **Danger**

EMERGENCY OVERVIEW: **Appearance :** Liquid **Color:** Clear , colorless **Odor :** Alcohol-like

Hazard Statements: Highly flammable liquid and vapor.
 Causes serious eye irritation.
 May cause drowsiness and dizziness.
 May form explosive mixtures with air.

Precautionary Statements

Prevention : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Use explosion proof electrical, ventilating, lighting and all material handling equipment.
 Use only non sparking tools.
 Ground all equipment. Take precautionary measures against static discharge.
 Keep container tightly closed when not in use.
 Avoid breathe fume/ mist/ vapors/ spray
 Wash skin thoroughly after handling.
 Wear protective gloves/ eye protection/ face protection.

Response : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 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 attention.

Storage : Store locked up. Store in a well-ventilated place. Keep cool.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise**Classified :** None known.**Primary Routes of Exposure:** Inhalation, Ingestion, Skin absorption**This product contains ingredients that may contribute to the following potential acute health effects:****Inhalation:** May result in dizziness and drowsiness. May cause irritation of the respiratory tract.**Eye Contact:** Causes eye irritation.**Skin Contact:** May cause skin irritation.**Ingestion:** Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.**This product contains ingredients that may contribute to the following potential chronic health effects:** Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. May cause skin drying with prolonged exposure.**Target organs and other health effects:** See section 11.**Section 3: Product Composition**

Substance/ Mixture: Hazardous component(s)	Mixture CAS#	%Approx wt.
Acetone (Dimethyl Ketone)	67-64-1	75 - 80

Specific chemical identity and exact percentages are withheld as Trade Secret.

Section 4: First-Aid Measures

Inhalation:	If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention. If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention.
Eye Contact:	Check for and remove any contact lenses. In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.
Skin Contact:	Remove contaminated clothing and launder before reuse. Remove contaminated shoes and discard. In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention.
Ingestion:	If swallowed, get medical attention immediately.
Medical conditions aggravated by exposure:	Any respiratory or skin condition.
Indication of immediate medical attention and special treatment needed, if necessary	
Notes to physician :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.
Protection of first aid personnel:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 5: Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA:	Carbon Dioxide, Dry chemical, foam and/or water fog.
UNSUITABLE EXTINGUISHING MEDIA:	Due not use high volume water jet.
SPECIFIC HAZARDS DURING FIREFIGHTING:	Highly flammable liquid and vapor. Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is toxic to aquatic life. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
HAZARDOUS COMBUSTION PRODUCTS:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide.
SPECIFIC EXTINGUISHING METHODS:	Use a water spray to cool fully closed containers.

FURTHER INFORMATION:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained breathing apparatus for firefighting if necessary.

**Sensitivity to static discharge:
FLASH POINT:**

Subject to static discharge hazards. Please see bonding and grounding information in Section 7.
-5°F (-21°C) TCC / PM

Section 6: Accidental Release Measures

Personal Precautions, protective equipment and emergency procedures:

Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Remove all sources of ignition.
Be aware of vapors accumulating to form explosive concentrations.
Vapors can accumulate in low areas.
Use only non sparking tools.

Environmental Precautions:

Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and Materials for containment cleaning up: (e.g. sand, earth, diatomaceous earth, vermiculite)

Contain spillage, and then collect with inert absorbent material using non sparking tools, and place in **and** container for disposal according to local/national regulations (see section 13). Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Advice on Safe Handling:

Avoid formation of aerosol.
Do not breathe vapors.
Avoid exposure- obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.

Conditions for Safe Storage:

Keep away from heat, sparks, and flames.
Keep container closed when not in use.
Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106.
Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container.
All label warnings must be observed until the container has been commercially cleaned or reconditioned.
If the product is used near or above the flashpoint, an ignition hazard may be present.
Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.
Do not store above 85 degrees F (29.4 degrees C). Keep drum out of sun and away from heat.

Section 8: Exposure Control / Personal Protection

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

Ingredient Name	CAS-No.	Approx. weight %	EXPOSURE LIMITS
DIMETHYL KETONE-EXEMPT SOLVENT	67-64-1	75 - 80	2400 rnq/m" (1000 ppm) TWA – 8 hours

ACGIH Threshold Limit Value (TLV's)

DIMETHYL KETONE- 67-64-1 75 - 80 1188 rnq/m" (500 ppm)TWA – 8 hours
EXEMPT SOLVENT 1782 rnq/m" (750 ppm) STEL -15mins.

Personal Protective Equipment

Respiratory Protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.
Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas. Where the product is used in a hazardous classified area, use explosion-proof electrical / ventilating / lighting / equipment.

Hand Protection Remarks:

The suitability for a specific workplace should be discussed with the producers of protective gloves.

Eye Protection:

Eye wash bottle with pure water.
Tightly fitting safety goggles.
Wear face-shield and protective suit for abnormal processing situations.

Skin and Body Protection:

Impervious clothing.
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene Measures:

Avoid contact with skin, eyes, and clothing.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and immediately after handling the product.

Section 9: Product Properties

Appearance: Liquid
Color: Clear, colorless
Odor: Alcohol - like
Odor threshold: No data available
pH: No data available
Freezing Point: No data Available
Boiling Point: 133°F
Flash Point: 1°F (-17°C) TCC/PM
Evaporation Rate: 5.6 (butyl acetate = 1.0)
Flammability (solid, gas) No data available
Upper explosion limit 13%
Lower explosion limit 1%
Vapor pressure 182mm/Hg @ 68°F
Vapor density 2.0 (air = 1.0)
Specific gravity 0.85
Water solubility Not determined
Solubility in water Soluble
Partition Coefficient No data available
Auto Ignition Temperature No data Available
VOC Content No data Available
Density 7.06 lbs/gal.

Section 10: Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: Vapors may form explosive mixture with air. Sensitivity to static discharge hazards.
Conditions to Avoid: Keep away from heat, flames, sparks and other ignition sources.
Incompatibility materials: Strong oxidizing agents.
Hazardous Decomposition products: Carbon monoxide, carbon dioxide

Section 11: Toxicological Information

Acute Toxicity Components:
Acute oral toxicity 67-64-1 (dimethyl ketone):
LD₅₀ (rat): >5800 mg/kg;

Acute inhalation toxicity	LC ₅₀ (rat); 59528 ppm
Acute dermal toxicity	LD ₅₀ (rabbit):12870 mg/kg
Skin corrosion/irritation:	Mild irritant (rabbit) 24H 500 mg/L
Serious eye damage/ Irritation	Severe irritant (rabbit) 24H 20 mg/L

Respiratory or skin Sensitization	Not data available
Germ cell mutagenicity	Not data available
Carcinogenicity	Not data available
Reproductive toxicity	Not data available
STOT single exposure	target organs – narcotic effects, Category 3
STOT repeated exposure	Not data available
Aspiration hazard	Not data available
Information on the likely routes of exposure	Not available

Potential acute health effects

Eye contact	Causes serious eye irritation.
Inhalation :	Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.
Ingestion :	Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.
Skin contact :	No known significant effects or critical hazards

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	Adverse symptoms may include the following: pain or irritation, watering, redness
Inhalation	Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness
Skin contact	No specific data.
Ingestion	No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects:	Not available.
Potential delayed effects :	Not available.

Long term exposure

Potential immediate effects:	Not available.
Potential delayed effects :	Not available.

Potential chronic health effects Not available

General :	No known significant effects or critical hazards.
Carcinogenicity :	No known significant effects or critical hazards.
Mutagenicity :	No known significant effects or critical hazards.
Teratogenicity :	No known significant effects or critical hazards.
Developmental effects :	No known significant effects or critical hazards.
Fertility effects :	No known significant effects or critical hazards.
Numerical measures of toxicity	
Acute toxicity estimates	Not available.

Section 12: Ecological Information

Ecotoxicology assessment

Toxicity to fish	<u>67-64-1 (dimethyl ketone):</u> LC50 (Pimephales promelas (fathead minnow)): 100 mg/L 96 hr.exposure
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea): > 10,000 mg/l 48 hr.exposure
Toxicity to algae	EC50 (ulva pertusa): 20,565 mg/l 96 hr.exposure
Bioaccumulative potential	LogPow: -0.23 , low potential
Biodegradability	No data available
Mobility in soil	No data available
Other adverse effects	No data available

Section 13: Disposal Information

Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable

regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil or water.

Container Disposal: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Refer to Section 7 before handling the product or containers. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

Local Legislation: Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

**United States - RCRA
Toxic hazardous waste
"U" List :**

Acetone, CAS # 67-64-1, Status – Listed, reference # U002

Section 14: Transportation Information

IATA: UN 1263, Paint, 3, II
IMDG: UN 1263, Paint, 3, II
DOT: UN 1263, Paint, 3, II

"Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product."

Section 15: Regulatory Information

U.S.Federal Regulations:

<u>Ingredient Name (CAS #)</u>	<u>Approx. Weight%</u>	<u>SARA 302</u>	<u>SARA 313</u>	<u>CERCLA RQ. in lbs.</u>
Dimethyl Ketone (67-64-1)	75 – 80	No	No	5000

SARA 311/312 Hazard Class: Acute: yes
Chronic: no
Flammability: yes
Reactivity: no
Sudden pressure: no

U.S.STATE REGULATIONS:

Right to Know: Pennsylvania Code, Chapter 317. DIMETHYL KETONE 67-64-1
VINNAPAS UW 4 9003-20-7

Rule 66 status of product: Not photochemically reactive.

California Proposition 65: No.

INTERNATIONAL REGULATIONS - Chemical Inventories

US TSCA Inventory: All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List: All components of this product are listed on the Domestic Substances List.

Section 16: Other Information

HMIS: Health: 2 Flammability: 3 Reactivity: 0 PPE: X – see section 8

Disclaimer: The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Lilly-Ram assumes no obligation or liability for use of this information. UNLESS LILLY-RAM AGREES OTHERWISE IN WRITING, LILLY-RAM MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. LILLY-RAM WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. This SDS contains additional information required by the state of Pennsylvania.

Preparation Information:
Prepared By: Lilly-Ram Chemical Company, LLC.

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End of Safety Data Sheet.