

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: THINNER FOR U-69
Product Code: T5120, T5120-5, T5120-50

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Product Use: Architectural Coating and Waterproofing
 Use this product in accordance with all local, regional, national and international regulations.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Name/Address: Gaco Western LLC
 1245 Chapman Dr.
 Waukesha, WI, 53186-5942
 USA
Telephone Number: 800-331-0196 / **International:** 001-800-331-0196
Email: sds@gaco.com
Website: www.gaco.com

1.4 EMERGENCY TELEPHONE NUMBER

For Chemical Emergency
 Spill, Leak, Fire, Exposure, or Incident
 Within USA and Canada: 1-800-424-9300
 Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL

Hazard class:

HAZARD CLASSIFICATION	CATEGORY
Flammable Liquids	2

2.2 LABEL ELEMENTS

Hazard pictogram: GHS02



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Signal word: Danger

Hazard statement: Highly flammable liquid and vapor

Prevention: Keep away from heat, hot surfaces/sparks/open flames/hot surfaces. -No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/eye protection/face protection.

Response: If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use water fog, foam, dry chemical powder, carbon dioxide (CO2) to extinguish.

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

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

2.3 ADDITIONAL INFORMATION

Main symptoms: Direct contact with eyes may cause temporary irritation.
Hazards not otherwise specified: None Known

0 % of the mixture consists of ingredient(s) of unknown acute toxicity

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

Material	CAS No.	Weight %*
Dimethyl carbonate	616-38-6	99-100%

*The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST AID MEASURES

General information: Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Direct contact with eyes or skin may cause temporary irritation.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to physicians: Treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes that do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Specific treatments: In case of accident or if you feel unwell, seek medical advice (show the label or SDS where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

General hazards: Highly flammable liquid and vapor.

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2)

Unsuitable extinguishing media: Do not use water jet as an extinguisher as this will spread the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Specific hazards: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Products of combustion: May include, and are not limited to: oxides of carbon.

5.3 Special protective equipment and precautions for fire-fighters (PPE)

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire-fighting procedures: In case of fire and/or explosion, do not breathe fumes. Move containers from fire area if you can do it without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning-up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. For waste disposal, see Section 13 of the SDS.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

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Small spills:	Following product recovery, flush area with water. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions:	Never return spills to original containers for re-use. Avoid discharge into drains, water courses or onto the ground.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for Safe handling:	Vapors may form explosive mixtures with air. Do not handle or store near an open flame, heat or other sources of ignition. Do not smoke. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
General hygiene advice:	Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Safe storage:	Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep container tightly closed. Store in a cool and well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).
Specific use:	Architectural Coating and Waterproofing
Technical measures:	Vapors may form explosive mixtures with air. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment.
Incompatible materials:	Strong oxidizers and strong acids.
Safe packaging material:	Keep in original container.
Precautions:	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Take precautionary measures against static discharges.
Safe handling advice:	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Take precautionary measures against static discharges. Use personal protection recommended in Section 8 of the SDS.
Suitable storage conditions:	Keep away from heat, sparks and open flame. Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Keep in an area equipped with sprinklers.
Handling-technical measures:	Use non-sparking tools and explosion-proof equipment. All equipment used when handling this product must be grounded.
Local and general ventilation:	Provide adequate ventilation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Control parameters:	Follow standard monitoring procedures.
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8.2 EXPOSURE CONTROLS

Engineering measures to reduce exposure:

Explosion-proof general and local exhaust ventilation.

8.3 INDIVIDUAL PROTECTIVE MEASURES

General:	Eye wash fountain and emergency showers are recommended. Use personal protective equipment as required.
Eye protection:	Wear safety glasses with side shields (or goggles).
Hand protection:	Wear protective gloves.
Respiratory protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Skin and body protection:	Wear suitable protective clothing.
Hygiene measures:	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Thermal hazards:	Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls: Environmental manager must be informed of all major releases.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent colorless liquid
Color:	Transparent colorless
Form:	Liquid
Odor:	Characteristic odor
Odor Threshold:	Not applicable
Physical State:	Liquid
pH (at 20°C):	Not applicable
Melting Point/Freezing Point:	36-40°F/2-4°C
Initial Boiling Point and Boiling Range:	194°F/90°C
Flash Point:	65°F/18.3°C
Evaporation Rate:	Not applicable
Flammability (solid, gaseous):	Highly flammable liquid and vapor.
Lower Flammability/Explosive Limit:	0.042
Upper Flammability/Explosive Limit:	0.129
Vapor Pressure (mm Hg @20°C):	18 mmHg
Vapor Density:	Not applicable
Density (lb/gal):	8.9
Relative Density/Specific Gravity:	1.1
Solubility in water/miscibility:	Decomposes upon contact with moist air or water
Partition coefficient: n-octanol/water:	Not applicable
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	Not applicable
Viscosity (at 20°C):	1 cps (water)
Oxidizing Properties:	Not applicable
Explosive Properties:	Not applicable
VOC %:	8.9 g/L (0.07 lb/gal)
Solvent content - Organic:	Not applicable
Solvent content - Water:	Not applicable
Solvent content - Solids:	Not applicable

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Other information: Not applicable
Incompatibilities: Strong oxidizers and strong acids.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 CHEMICAL STABILITY
Chemical stability: Material is stable under normal conditions.
Materials to avoid: The product is stable and non-reactive under normal conditions of use, storage and transport.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS
Hazardous reactions: No dangerous reaction known under conditions of normal use.

10.4 CONDITIONS TO AVOID Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

10.5 INCOMPATIBLE MATERIALS Strong oxidizers and strong acids.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
Hazardous decomposition products: No hazardous decomposition products are known.
Hazardous polymerization: Does not occur.
Other information: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity: Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Likely routes of exposure: Skin contact. Eye contact.
Eye: Direct contact with eyes may cause temporary irritation.
Skin: No adverse effects due to skin contact are expected. Prolonged skin contact may cause dryness, redness, or cracking.
Ingestion: Not an expected route of exposure. Expected to be a low ingestion hazard.
Inhalation: Not an expected route of exposure. No adverse effects due to inhalation are expected.

LD50/LC50 values relevant to this classification:

Dimethyl carbonate

Oral rat LD50 > 5,000 mg/kg bw
 Inhal rat LC50 > 5.36 mg/L air 4hr
 Derm rabbit LD50 > 2,000 mg/kg bw

Calculated overall chemical acute toxicity values for this formulation:

Calculated overall Chemical Acute Toxicity Values		
LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
>5.36 mg/kg (dust and mist)	>5,000 mg/kg	>2,000 mg/kg

11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

Skin corrosion/irritation:	Based on available data, this product is not expected to cause skin corrosion or irritation. Prolonged skin contact may cause dryness, redness, or cracking.
Serious eye damage/irritation:	Based on available data, this product is not expected to cause serious eye damage or irritation. Direct contact with eyes may cause temporary irritation.
Respiratory sensitization:	Based on available data, this product is not expected to cause respiratory sensitization.
Skin sensitization:	Based on available data, this product is not expected to cause skin sensitization.
Symptoms and target organs:	Direct contact with eyes may cause temporary irritation.
Chronic health effects:	No chronic health effects known.
Carcinogenicity:	This product is not classified as a carcinogen.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity (STOT):	
Single Exposure:	Not classified as an STOT - Single Exposure.
Repeated Exposure:	Not classified as an STOT - Repeated Exposure.
Aspiration Toxicity:	Based on available data, this product is not expected to cause aspiration toxicity.
Other Information:	Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

Ecotoxicity:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Acute aquatic toxicity:	The product is not classified as acutely environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Chronic toxicity:	The product is not classified as having a chronic environmental hazard. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Environmental effects:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 PERSISTENCE AND DEGRADABILITY

Persistence/biodegradability:	The product contains substances which are not expected to be readily biodegradable.
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12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation:	No data available.
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12.4 MOBILITY

Mobility:	No data available.
Mobility in soil:	No data available.
Mobility in non-soil:	No data available.

12.5 OTHER ADVERSE EFFECTS

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Ozone layer: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 WASTE TREATMENT METHODS**

Disposal method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Dispose of contents and container in accordance with all local, regional, national and international regulations.

EU codes: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Residual waste: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Waste codes: D001: Waste Flammable material with a flash point <140°F (<60°C) The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Other disposal recommendations: None

SECTION 14: TRANSPORT INFORMATION**DOT Non-Bulk**

UN: UN1161

Proper shipping name: Dimethyl carbonate**Hazard class:** 3**Packing group:** PG II**DOT Bulk**

UN: UN1161

Proper shipping name: Dimethyl carbonate**Hazard class:** 3**Packing group:** PG II**IMDG**

UN: UN1161

Proper shipping name: Dimethyl carbonate**Hazard class:** 3**Packing group:** PG II**ICAO/IATA**

UN: UN1161

Proper shipping name: Dimethyl carbonate**Hazard class:** 3**Packing group:** PG II

Reportable quantity: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material

SECTION 15: REGULATORY INFORMATION

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15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

US Federal Regulations:

U.S. OSHA (Occupational Safety and Health Administration) Specifically Regulated Substances (29 CFR 1910.1001-1050)

No components of this product are present at concentration greater than or equal to 0.1% and are identified as a carcinogen or potential carcinogen by OSHA.

SARA/CERCLA reporting requirements:

No components of this product are found at concentrations greater than or equal to 0.1% and are subject to the SARA/CERCLA reporting requirements.

State Right-to-Know Regulations

The following components of this product are found at concentrations greater than or equal to 0.1%, subject to state Right-to-Know reporting requirements; or are found at any concentration and are listed under California Proposition 65.

Material	California Proposition 65	Massachusetts Right-to-Know	Minnesota Employee Right-to-Know	New Jersey Community Environmental Hazard Right-to-Know	New Jersey Right-to-Know Substance	Pennsylvania Right-to-Know	Rhode Island Right-to-Know
Dimethyl carbonate	Not listed	Listed	Not listed	Not listed	Listed	Listed	Not listed

Global Inventories:

Notification status:	
US - TSCA	All substances are listed
Canada -DSL	All substances are listed
Canada - NDSL	No substances are listed
EU - EINECS	All substances are listed
EU - ELINCS	No substances are listed
EU - NLP	No substances are listed
Australia – AICS	All substances are listed
China - EICSC	All substances are listed
Japan - ENCS	All substances are listed
Korea - KECI	All substances are listed
Taiwan - NECI	All substances are listed
New Zealand - NZIoC	All substances are listed
Philippine - PICCS	All substances are listed

EU - REACH Status:

A registration number is not available for substances in this mixture as the substances are exempted from registration, the annual tonnage does not require a registration or the registration is envisioned for a later registration deadline.

CANADA – WHMIS (Workplace Hazardous Materials Information System) Classification:

B2



MEXICO:

Hazard Classification: 1-3-0
Carcinogen Status: No data available.

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Materials Identification System) rating:

Health:	1
Flammability:	3
Physical:	0

NFPA 704 (National Fire Protection Association) rating:

Health	1
Fire	3
Reactivity	0

Legend:

- DOT US Department of Transportation
- IATA International Air Transport Association
- ICAO International Civil Aviation Organization
- IMDG International Maritime Dangerous Goods
- ACGIH American Conference of Governmental Industrial Hygienists
- NTP National Toxicology Program
- IARC International Agency for Research on Cancer
- PPE Personal Protective Equipment
- RCRA Resource Conservation and Recovery Act
- CAA Clean Air Act
- SARA Superfund Amendments and Reauthorization Act
- EPCRA Emergency Planning and Community Right-to-Know Act
- WHMIS Workplace Hazardous Materials Information System
- EU European Union
- REACH Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
- CERCLA Comprehensive Environmental Response, Compensation and Liability Act
- TSCA US Toxic Substances Control Act (TSCA)
- DSL Canada Domestic Substance List (DSL)
- NDSL Canada Non-Domestic Substance List (NDSL)
- EINECS European Inventory of Existing Commercial Chemical Substances (EINECS)
- ELINCS European List of Notified Chemical Substances (ELINCS)
- NLP European list of No-longer Polymers (NLP)
- AICS Australian Inventory of Chemical Substances (AICS)
- EICSC China Existing Chemical Inventory - IECSC
- ENCS Japanese Existing and New Chemical Substances Inventory(ENCS)
- KECI Korea Existing Chemicals Inventory(KECI)
- NECI Taiwan National Existing Chemical Inventory (NECI)
- NZIoC New Zealand Inventory of Chemicals (NZIoC)
- PICCS Philippine Inventory of Chemicals and Chemical Substances (PICCS)
- HMIS Hazardous Materials Identification System
- NFPA National Fire Protection Association (NFPA)

SAFETY DATA SHEET

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Prepared by: Gaco Western LLC

End of Safety Data Sheet