

## SAFETY DATA SHEET

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### Product identifier

**Product Name:** Cosmo SL 660.240  
**Product Code:** 9-C9000-00-0-7 (Unit)  
9-C9000-30-0-7 (Box of 30)

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

**Recommended Use(s):** PVC adhesive

#### Details of the supplier of the safety data sheet

**Distributor:** Ferco Architectural Hardware Inc  
2000 Rue Berlier  
Laval Quebec H7L 4S4  
Canada

**Url:** <http://www.ferco.ca>

**General Contact:** 450-973-1437

### Section 2. Hazards identification

#### Classification of the substance or mixture

##### GHS Classification for mixture:

Specific target organ toxicity - single exposure - Category 3 (Respiratory)  
Carcinogenicity - Category 2  
Serious eye irritation - Category 2  
Flammable Liquids - Category 2

#### Label elements

##### Pictograms:



##### Signal Words:

Danger

##### Hazard Statements:

Highly flammable liquid and vapour.  
Causes serious eye irritation.  
May cause respiratory irritation.  
Suspected of causing cancer.

##### Precautionary Statements:

###### Prevention

Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Keep cool.  
Ground and bond container and receiving equipment.  
Use explosion-proof electrical, ventilating, lighting equipment.  
Use non-sparking tools.  
Take action to prevent static discharges.  
Avoid breathing fume, gas, mist, vapors, spray.  
Wash exposed area thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves, protective clothing, eye protection.

**Response**

Call a POISON CENTER, doctor if you feel unwell  
If eye irritation persists: Get medical attention / advice.  
IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes.  
IF ON SKIN (or hair): Rinse skin with water or shower  
IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
In case of fire: Use CO<sub>2</sub>, extinction powder, water spray, alcohol resistant foam to extinguish.

**Storage**

Store in a well-ventilated place.  
Store locked up.

**Disposal**

Dispose of contents to an approved waste disposal plant

**Other hazards**

No available data for this section.

**Section 3. Composition/information on ingredients****Substances**

No available data for this section.

**Mixtures**

Identifiers	Ingredients	Percentage	Classification
109-99-9	Tetrahydrofuran	50% - 95%	Flam. Gas 2, Acute Tox. Orl. 4, Eye Irr. 2A, Carc. 2, STOT SE 3, H221, H302, H319, H335, H351
67-64-1	Acetone	5% - 10%	Flam. Liq. 2, Eye Irr. 2, STOT RE 2, STOT SE 3 (Narcotic), H225, H319, H336, H373

**Section 4. First-Aid Measures****Description of First Aid Measures****In the event of splashes or contact with eyes**

Wash eyes with plenty of water. Immediately seek medical attention.

**In the event of splashes or contact with skin**

Take all contaminated clothing off immediately and wash it before reuse. Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical advice / attention. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, immediately seek medical attention.

**In the event of ingestion**

If the exposed person is drowsy or unconscious, do not give anything by mouth. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. Immediately seek medical attention.

**In the event of inhalation**

Remove person to fresh air and keep at rest in a position comfortable for breathing. Loosen tight clothing such as a collar, tie, belt, or waistband. If the exposed person is not breathing, provide artificial respiration. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. If after inhalation you feel unwell, seek medical advice.

**Most important symptoms and effects, both acute and delayed**

No available data for this section.

**Indication of any immediate medical attention and special treatment needed**

This product is a CNS depressant.

**Section 5. Firefighting Measures****Extinguishing media**

### Suitable Extinguishing Media

**The suggested appropriate media:** Carbon dioxide. Dry chemical. Foam.

### Unsuitable Extinguishing Media

**Inappropriate media:** Water (may be ineffective).

## Special hazards arising from the substance or mixture

### Specific Hazards Arising from Combustion of Products

**Fire / decomposition hazards:** A mixture of flammable gases and vapors. Gas, vapors, or dust are irritating to eyes. Gas, vapors, or dust may cause respiratory irritation. Vapor may travel considerable distance to source of ignition and flash back.

### Combustion Products

Oxides of carbon (CO<sub>x</sub>).

## Advice for firefighters

### Protective Measures for Fire-Fighting

No available data for this section.

### Special Protective Actions for Fire-Fighters

After fire, flush area with water to prevent re-ignition. Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Do not allow run-off from fire fighting to enter drains or water courses. Immediately evacuate people from the area.

### Other Information for Fire Fighters

No available data for this section.

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Eliminate all sources of heat and ignition. Evacuate the people from the area. Isolate and restrict access to area until completion of cleanup. Use explosion-proof electrical/ventilating/lighting equipment. Ventilate area with explosion-proof equipment ONLY. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

### Environmental precautions

Dike area to prevent runoff and contamination of water sources. Dispose of the material in accordance with government regulations. Dispose of via a licensed waste disposal contractor. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). Notify the competent local authorities of any large scale spill. Prevent contamination of soil and surface water. Prevent entry into basements or confined areas.

### Methods and material for containment and cleaning up

**Large spills:** If possible, dike the area to prevent spreading.

Absorb with earth, sand, or other non-combustible material. Collect and transfer to a closable container without splash or generating dust / mist for disposal by an appropriate method. Collect liquid with EXPLOSION PROOF pumps. Ensure cleanup is conducted by trained personnel only. Move containers from spill area if there is no risk. Stop leak if safe to do so.

### Reference to other sections

No available data for this section.

## Section 7. Handling and Storage

### Precautions for safe handling

Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Avoid contact with eyes. Do not eat, drink or smoke during handling. Do not handle in a confined space. Do not handle until all safety precautions have been read and understood. Ensure proper electrical grounding procedures are in place. Ensure there is sufficient ventilation of the area. Handle in accordance with all current regulations and standards. Handle in accordance with good industrial hygiene and safety practice. Handle in original packaging. If needed, only use non-sparking tools in the storage area while handling. Keep away from direct sunlight. No smoking or open flame in storage, use, or handling areas. Take action to prevent static discharges. Use explosion proof electrical equipment. Wash any exposed area of body thoroughly after handling. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

### Conditions for safe storage, including any incompatibilities

#### Conditions for Safe Storage

**Keep away from:** Direct sunlight. Electrical equipment. Fire. Heat. Open flame. Sparks. Static electricity.

Not to be stored gangways or stair wells. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. If needed, only use non-sparking tools in the storage area. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances (See section 10). Store in accordance with all current regulations and standards. Store only in well-ventilated areas. Take action to prevent static discharges. Tanks must be grounded, vented, and should have vapor emission controls. Use explosion-proof electrical/ventilating/lighting equipment. Ventilate area with explosion-proof equipment ONLY. Solvent resistant floor.

**Suitable Packaging**

Store in original container / packaging.

**Incompatible Materials**

No available data for this section.

**Specific end use(s)**

No available data for this section.

**Section 8. Exposure Controls / Personal Protection**

**Control parameters**

**Control Parameters / Limits for Product**

No available data for this section.

**Control Parameters / Limits for Component**

Acetone

OSHA PEL	TWA 1000 ppm(8h). TWA 1800 mg/m <sup>3</sup> (8h). STEL 1000 ppm(15min). STEL 2400 mg/m <sup>3</sup> (15min).
NIOSH REL	TWA 250 ppm(10h). TWA 590 mg/m <sup>3</sup> (10h).
ACGIH TLV	TWA 500 ppm(8h). TWA 1188 mg/m <sup>3</sup> (8h). STEL 750 ppm (15min). STEL 1782 mg/m <sup>3</sup> (15min).

Tetrahydrofuran

OSHA PEL	TWA 200 ppm. TWA 590 mg/m <sup>3</sup> .
NIOSH REL	TWA 200 ppm. TWA 590 mg/m <sup>3</sup> . ST 250 ppm. ST 735 mg/m <sup>3</sup> .
ACGIH TLV	TWA 50 ppm. STEL 100 ppm. BEI 200mg/l, Urine.

**Exposure controls**

**Engineering Measures**

Provide adequate general and local exhaust ventilation.

**Respiratory Protection**

Certified self-contained breathing apparatus must be available in case of emergency. Respiratory protection is required if the concentrations exceed the TLV.

**Eye/Face Protection**

Ensure eye bath is at hand. Wear chemical goggles or face shield.

**Skin and Body Protection**

Wear appropriate chemical resistant clothing.

**Hand Protection**

Wear impermeable gloves.

**Hygiene Measures**

Contaminated work clothing should not be allowed out of the workplace. Use in accordance with good hygiene and safety practice. Keep away from food or drink. Wash Hands thoroughly after handling.

### Environmental exposure controls

No available data for this section.

## Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical State</b>	Paste (liquid)
<b>Appearance</b>	Various colors
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting point</b>	Not available
<b>Boiling point</b>	55°C / 131°F
<b>Flash Point</b>	-14°C / 6.8°F
<b>Evaporation rate</b>	Not available
<b>Flammability</b>	Not available
<b>Flammability limit</b>	Not available
<b>Vapor pressure</b>	0.233 bar
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility</b>	Insoluble
<b>Solubility in other solvents</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Auto-ignition temperature</b>	212°C / 413.6°F
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	3400 D-mPa*s at 20°C
<b>Freezing point</b>	Not available
<b>Density</b>	0.99 g/cm <sup>3</sup>
<b>Explosion limit (upper)</b>	13 %vol
<b>Explosion limit (lower)</b>	1.5 %vol
<b>Evaporation rate w/r/t ether</b>	Not available
<b>Evaporation rate w/r/t butyl acetate</b>	Not available
<b>Relative density w/r/t water</b>	Not available
<b>Relative density w/r/t air</b>	0.99

### Other Information

No available data for this section.

## Section 10. Chemical Stability & Reactivity Information

### Reactivity

No available data for this section.

### Chemical Stability

No available data for this section.

### Possibility of Hazardous Reactions

No available data for this section.

### Conditions to Avoid

No available data for this section.

## Incompatible Materials

No available data for this section.

## Hazardous Decomposition Products

No available data for this section.

# Section 11. Toxicological Information

## Information on toxicological effects

### Toxicological Information for Product

No available data for this section.

### Toxicological Information for Component

Acetone

<b>LC50 Inhalation - Not Specified</b>	30000 ppmV Rat.
<b>LD50 Dermal</b>	Greater than 16000 mg/kg.
<b>LD50 Oral</b>	5800 mg/kg Rat.

### Irritation/Corrosion Information for Product

No available data for this section.

### Irritation/Corrosion Information for Component

Acetone

**Eyes:** 186300 ppm Mild irritant, Human.

# Section 12. Ecological Information

## Toxicity

### Ecotoxicity Values for Product

No available data for this section.

### Ecotoxicity Values for Component

Acetone

<b>LC50 Environmental</b>	7400 mg/l (96h) <i>Oncorhynchus mykiss</i> . 15800 mg/l (48h) <i>Daphnia magna</i> .
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## Persistence and degradability

No available data for this section.

## Bioaccumulative potential

### Bioaccumulative Potential for Product

No available data for this section.

### Bioaccumulative Potential for Component

Acetone

**LogPow:** 0.24.  
**BCF:** 0.65.

## Mobility in soil

No available data for this section.

## Results of PBT and vPvB assessment

No available data for this section.

## Other adverse effects

No available data for this section.

**Section 13. Disposal Considerations**

**Waste treatment methods**

**Waste Disposal Regulation(s) / Operation**

Avoid release to soil. Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of national pollutant discharge elimination systems. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. Users need to pay attention to the possible existence of regional or national regulations regarding disposal.

**Waste Treatment Methods**

No available data for this section.

**Section 14. Transportation Information**

	<b>ADR</b>	<b>IMDG</b>	<b>IATA</b>	<b>DOT</b>
<b>UN number</b>	1133	1133	1133	No available data for this section.
<b>UN proper shipping name</b>	UN 1133 (Adhesives)	UN 1133 (Adhesives)	UN 1133 (Adhesives)	UN 1133 (Adhesives)
<b>Transport hazard class(es)</b>	3	3	3	No available data for this section.
<b>Packing group</b>	II	II	II	No available data for this section.
<b>Environmental hazards</b>	No available data for this section.	F-E, S-D	No available data for this section.	No available data for this section.
<b>Special precautions for user</b>	No available data for this section.			
<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	No available data for this section.			
<b>Other</b>	5 L, F1			

**Section 15. Regulatory Information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Safety, Health and Environmental Regulations for Product**

No available data for this section.

**Safety, Health and Environmental Regulations for Component**

Acetone

- SARA 311/312:** Fire hazard.  
Immediate (acute) health hazard.  
Chronic health hazard.
- CERCLA reportable quantity:** 2270 kg.
- Right to know:** California.  
Massachusetts.  
Minnesota.  
New Jersey.  
Pennsylvania.  
Rhode Island.

Tetrahydrofuran



**SARA 311/312:**

Fire hazard.  
Acute health hazard.  
Chronic health hazard.  
Health hazard.  
Massachusetts.  
Pennsylvania.  
New Jersey.

**Right to know:**

## Chemical safety assessment

No available data for this section.

## Section 16. Other Information

### Other Information

No available data for this section.

### Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

### Glossary

**ACGIH:** American Conference of Governmental Industrial Hygienists.

Prepared by:



Approved par:

