

# SAFETY DATA SHEET

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

### Product identifier

**Product Name:** COSMO SL-660.150 (COSMOFEN 345 ADHESIVE)

**Product Code:** 9-C9007-00-0-7 (Unit)  
9-C9007-30-0-7 (Box of 30)

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

**Recommended Use(s):** Adhesive sealant

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

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

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

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

## Section 2. Hazards identification

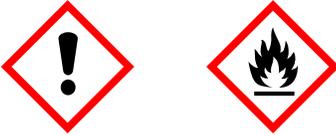
### Classification of the substance or mixture

#### GHS Classification for mixture:

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.

#### Precautionary Statements:

##### Prevention

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.

Wash exposed area thoroughly after handling.  
 Wear protective gloves, protective clothing, eye protection.

**Response**

If eye irritation persists: Get medical attention / advice.  
 IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.  
 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>, Extinguishment powder, water jet spray, alcohol resistant foam to extinguish.

**Storage**

Store in a well-ventilated place.

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

**Substances**

No available data for this section.

**Mixtures**

Identifiers	Ingredients	Percentage	Classification
78-93-3	Butanone	30% to 50%	STOT SE 3 (Narcotic), Flam. Liq. 2, Eye Irr. 2
1330-20-7	Xylene	1% to 10%	STOT RE 2, Asp. Tox. 1, STOT SE 3, Flam. Liq. 3, Acute Tox. Inhal. 4, Aquatic Chronic 3, Skin Irr. 2, Aquatic Acute 2, Carc. 2, Eye Irr. 2A

**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. Hold eyelids open to ensure adequate flushing. Remove the contact lenses if worn and easy to do that. Continue rinsing. Seek medical attention if irritation, redness, or any other symptom develops.

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

Wash contaminated areas thoroughly with water. If redness or other symptoms occur, seek medical advice / attention.

**In the event of ingestion**

If the exposed person is drowsy or unconscious, do not give anything by mouth. Rinse the mouth with water. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. If after ingestion you feel unwell, seek medical advice.

**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 after inhalation you feel unwell, seek medical advice.

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

**Inhalation:** Headaches. Dizziness. Coordination disorders. Unconsciousness. Effects/damages the central nervous system.

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

No available data for this section.

### Section 5. Firefighting Measures

#### Extinguishing media

##### Suitable Extinguishing Media

The suggested appropriate media: Alcohol-resistant foam. Carbon dioxide. Powder ABC. Water spray.

##### Unsuitable Extinguishing Media

High power water jets.

#### Special hazards arising from the substance or mixture

##### Specific Hazards Arising from Combustion of Products

**Fire / decomposition hazards:** Gas, vapors, or dust are irritating to eyes. Gas, vapors, or dust may cause drowsiness or dizziness.

##### Combustion Products

Oxides of carbon (CO<sub>x</sub>). Oxides of nitrogen (NO<sub>x</sub>). Hydrogen chloride gas.

#### Advice for firefighters

##### Protective Measures for Fire-Fighting

Wear protective goggles to prevent contact with eyes. Wear self-contained breathing apparatus.

##### Special Protective Actions for Fire-Fighters

Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Evacuate the people from the area. Always stay away from tanks engulfed in fire. Avoid being exposed to gas / mist / dust / fume / vapor / spray / particles. Avoid direct contact with the substance (solid / liquid / vapor). Do not allow run-off from fire fighting to enter drains or water courses. Isolate hazard area and deny entry. Dispose off fire control water if there is no potential risk for the environment.

##### 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. Evacuate the people from the area. Ventilate area of leak or spill. Wear protective goggles to prevent contact with eyes.

#### Environmental precautions

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

#### Methods and material for containment and cleaning up

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

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. If possible, the spilled liquid should be transferred to a waste container. Residual liquid should be absorbed and placed in separate container.

#### Reference to other sections

No available data for this section.

## Section 7. Handling and Storage

### Precautions for safe handling

Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Do not eat, drink or smoke during handling. 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. Wash any exposed area of body thoroughly after handling. Wear protective goggles to prevent contact with eyes. Ensure proper electrical grounding procedures are in place. No smoking or open flame in storage, use, or handling areas. Take action to prevent static discharges.

### Conditions for safe storage, including any incompatibilities

#### Conditions for Safe Storage

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

Keep container closed when not in use. Store in a cool, well ventilated area. Solvent resistant floor. Keep container tightly closed. Store locked up. Store only in well-ventilated areas.

#### Suitable Packaging

Store in original container / packaging.

#### Incompatible Materials

Not specified.

### 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

##### Xylene

OSHA PEL

TWA 435 mg/m<sup>3</sup> (8h).

TWA 100 ppm (8h).

ACGIH TLV

STEL 651 mg/m<sup>3</sup> (15min).

STEL 150 ppm (15min).

TWA 434 mg/m<sup>3</sup> (8h).

TWA 100 ppm (8h).

### Exposure controls

#### Engineering Measures

Provide adequate general and local exhaust ventilation. Eye wash stations are recommended where this product is stored, handled or used.

#### 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

Not obliged.

### Hand Protection

Wear appropriate chemical resistant gloves. Butyl rubber gloves.

### Hygiene Measures

No available data for this section.

### Environmental exposure controls

No available data for this section.

## Section 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical State	Paste (liquid)
Appearance	Various colors
Odor	Characteristic
Odor threshold	Not available
pH	Not available
Melting point	Not available
Boiling point	Not available
Flash Point	-4°C / 24.8°F
Evaporation rate	Not available
Flammability	Not available
Flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Solubility	Not available
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	400°C / 752°F
Decomposition temperature	Not available
Viscosity	11000 D-mPa*s
Freezing point	Not available
Density	1.01 g/cm <sup>3</sup>
Evaporation rate w/r/t ether	Not available
Evaporation rate w/r/t butyl acetate	Not available
Relative density w/r/t water	Not available
Relative density w/r/t air	Not available

### Other Information

No available data for this section.

## Section 10. Chemical Stability & Reactivity Information

## Reactivity

This product has not been tested.

## Chemical Stability

This product is stable under ambient condition.

## Possibility of Hazardous Reactions

Hazardous polymerization will not occur under normal conditions.

## Conditions to Avoid

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

## Incompatible Materials

Oxidizing agents.

## Hazardous Decomposition Products

No decomposition hazardous products are specified.

# Section 11. Toxicological Information

## Information on toxicological effects

### Toxicological Information for Product

**ATE Inhalation:** > 20 mg/l(4h).

**ATE Oral:** > 2000 mg/kg.

### Toxicological Information for Component

#### Butanone

<b>LC50 Inhalation</b>	34.5 mg/l (4h). Rat.
<b>LD50 Dermal</b>	5000 mg/kg. Rabbit.
<b>LD50 Oral</b>	Greater than 2600 mg/kg. Rat.

#### Xylene

<b>LC50 Inhalation</b>	Greater than 4500 ppmV. (4h) Rat.
<b>LD50 Dermal</b>	Greater than 1700 mg/kg. Rabbit.
<b>LD50 Oral</b>	2119 mg/kg. Mouse.

### Irritation/Corrosion Information for Product

No available data for this section.

### Irritation/Corrosion Information for Component

No available data for this section.

# Section 12. Ecological Information

## Toxicity

### Ecotoxicity Values for Product

No available data for this section.

### Ecotoxicity Values for Component

#### Butanone

**EC50** 308 mg/l (48h). Crustacian: Daphnia magna.  
 2029 mg/l (96h). Algae: Pseudokirchneriella subcapitata.  
 4300 mg/l. Algae: Scenedesmus subspicatus.

**LC50 Environmental** 1690 mg/l (96h). Fish: Lepomis macrochirus.

### 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

Butanone

**LogPow:** 0.29.

### 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

**Liquid product:** Incineration plant.

**Hardened product:** Suitable refuse site.

Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Whenever possible, reuse containers. To do this, rinse container with water and reuse water for another iteration or treat effluent as product residue as indicated in above. Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. 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

	ADR	IMDG	IATA	DOT
<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.

	ADR	IMDG	IATA	DOT
Environmental hazards	No available data for this section.	F-ES-D	No available data for this section.	No available data for this section.
Special precautions for user	No available data for this section.			
Transport in bulk according to Annex II of Marpol and the IBC Code	No available data for this section.			
Other	5LF1			

## 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

##### Butanone

**SARA 311/312:**

Fire hazard.  
Acute health hazard.  
Chronic health hazard.  
Health hazard.

**California prop 65:**

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

**Right to know:**

Massachusetts.  
Pennsylvania.  
New Jersey.

##### Xylene

**TSCA:**

Listed.

**SARA 313 Form R:**

Present.

**CERCLA reportable quantity:**

100 lb/ 45.4 kg.

**Right to know:**

Illinois.  
New York.  
Rhode Island.  
Pennsylvania.  
Minnesota.  
Michigan.  
Massachusetts.

### 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.

**ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

**BCF:** Bioconcentration factor.

**CAS:** Chemical Abstracts Service (division of the American Chemical Society).

**CLP:** Classification, Labelling and Packaging of substances and mixtures.

**CMR:** Carcinogenic, mutagenic, reproductive toxin.

**GHS:** Globally Harmonized System of Classification and Labelling of Chemicals.

**IATA:** International Air Transport Association.

**LC50:** Lethal Concentration which is lethal to 50% of the population.

**LD50:** Lethal Dose which is lethal to 50% of the population.

**NIOSH:** National Institute of Occupational Safety and Health.

**TWA:** Time Weighted Average.

**WEL:** Workplace Exposure Limit - Germany.

**ppm:** Parts per million.

Authored by:



Verified and approved by:

