

# MATERIAL SAFETY DATA SHEET

Name: 393000 MULCO

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## SECTION 1 - PRODUCT IDENTIFICATION & COMPANY INFORMATION

MSDS Number 393000  
Product Name 393000 MULCO  
Company identification SICO INC.  
2505 De la Metropole  
Longueuil QC J4G 1E5  
CANADA  
Contact Service au client/Customer Service/Servicio con cliente  
Telephone 450 442-7999 (8:00-17:00)  
Fax number 450 646-7699  
Prepared by Regulatory Department  
Regulatory telephone (514) 495-5710 (8:00-17:00)  
Emergency contact CANUTEC  
Emergency telephone 613 996-6666 (24H)  
Type of product SOLVENT BASED ADHESIVE

## SECTION 2 - COMPOSITION AND INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient Name	CAS #	Concentration (w/w)
NATURAL GROUND CALCIUM CARBONATE (pw 18)	1317-65-3	30-60%
NAPHTHA (light aliphatic fraction)	64742-89-8	10-30%
NAPHTHA (middle aliphatic fraction)	64742-88-7	5-10%
TOLUENE	108-88-3	1-5%
CRYSTALLINE SILICA, QUARTZ (pig white 27)	14808-60-7	0.1-1.0%

## SECTION 3 - HAZARDS IDENTIFICATION

### EYE CONTACT

The effects are usually reversible.

### SKIN CONTACT

The material is slightly irritating.

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## **INHALATION HAZARDS**

Moderately irritating for the nose, throat, upper respiratory track and lungs.  
Toxic.

## **INGESTION HAZARDS**

Do not swallow.  
May cause respiratory problems.  
May cause nausea, vomiting, diarrhea, gastro-intestinal irritation and ulceration.  
Toxic.

## **TARGET ORGANS**

Central nervous system.

## **SECTION 4 - FIRST AID MEASURES**

### **EYE CONTACT**

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

### **SKIN CONTACT**

Wash the skin thoroughly with plenty of lukewarm water using a mild and non-abrasive soap.  
Remove contaminated clothes and wash them before reuse.

### **INHALATION**

Remove the victim to fresh air.  
If breathing has stopped, give artificial respiration.  
If breathing is difficult, oxygen should be administered.  
Seek medical attention.

### **INGESTION**

Never give anything by mouth if the victim is semi, unconscious or convulsing.  
Do not induce vomiting unless directed to do so by medical personnel.  
Seek immediate medical attention.

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## SECTION 5 - FIRE FIGHTING MEASURES

Flash point: 9 °C ( 48.2 °F ) Tag Closed Cup  
Lower flam. limit (%): .9  
Upper flammable limit (%): 10.5  
Auto Ignition Point: 246 °C ( 474.8 °F )

## FLAMMABLE PROPERTIES

Closed containers of this material may build up pressure if exposed to intense heat and may explode. .

Vapors may form, with air, an explosive mixture between lower and upper flammable limits.

## HAZARDOUS COMBUSTION PRODUCTS

Carbon monoxide  
Carbon dioxide  
Other unidentified compounds.

## EXTINGUISHING MEDIA

Chemical foam  
Carbon dioxide (CO2)  
Dry chemical

## FIRE FIGHTING INSTRUCTIONS

Evacuate all persons from the fire area to a safe location. If fire is small, uses an extinguisher and ensures you an exit. If fire grows bigger quickly, leave immediately.

Wear a self-sufficient breathing apparatus.

## SECTION 6 - MEASURES FOR ACCIDENTAL SPILL OR RELEASE

### CONTAINMENT

Prevent this product or the wash waters from entering the water system or sewers.

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## CLEAN-UP

Transfer the absorbed material into a waste container.

Remove all sources of ignition.

Ventilate the area.

## REPORTING

For Canadian, report to the applicable Provincial Environment Ministry.

## SECTION 7 - HANDLING AND STORAGE

### HANDLING

Avoid breathing the vapors or spray mist.

Avoid contact with eyes.

Avoid repeated or prolonged contact with the skin.

Handle as a toxic material.

### STORAGE

Keep the storage area clean, separated from crowded areas and cafeterias.

Keep the containers tightly closed.

Store in a cool, dry and well-ventilated area.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

CAS #	Authority	Type	Dose
1317-65-3	ACGIH	TLV	10 mg/M3
	OSHA	PEL	5 mg/M3
64742-89-8	ACGIH	STEL	500 PPM
	ACGIH	TLV	300 PPM
64742-88-7	ACGIH	TLV	100 PPM
108-88-3	ACGIH	STEL	150 PPM
	ACGIH	TLV	20 PPM
	ACGIH	TLV-C	50 PPM
	OSHA	PEL	100 PPM

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OSHA	STEL	150 PPM
14808-60-7 ACGIH	TLV	.1 mg/M3
OSHA	PEL	.1 mg/M3

## ENGINEERING CONTROLS

Provide sufficient ventilation to maintain the exposure levels below the limits.  
Keep away from food, drinks and tobacco.

## RESPIRATORS

Avoid breathing vapors or spray mist.  
Use a NIOSH approved air-induced respirator when the exposure levels are exceeded.  
A NIOSH approved air-purifying respirator with the appropriate chemical cartridge may also reduce exposure, however protection provided by air purifying respirators is limited. Determine the proper level of protection by conducting appropriate air-monitoring.  
Use a dust particle mask when sanding.

## OTHER CLOTHING

Wear chemical-resistant anti-splashes safety goggles with side pieces or chemical-resistant faceshield.  
DO NOT WEAR contact lenses when working with paints and paint related materials..

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form:	Paste.
Color:	Colored or white.
Odor:	Solvents.
Odor threshold (ppm):	Not available
Partition coef. oil/ water:	Not available
pH:	Not applicable
Freezing Point:	-91 °C ( -131.8 °F )
Boiling temperature:	Initial 100°C
Evaporation rate:	Slower than n-Butyl Acetate
Vapor pressure at 20°C:	0 mm Hg < vapour pressure < 50 mm Hg
Volatiles by weight (%):	31.07

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Volatiles by Volume (%): 50.68  
Specific gravity (kg/L): 1.19  
Coating VOC (g/L): 371.0

## SECTION 10 - STABILITY AND REACTIVITY

### CONDITIONS TO AVOID

Sparks  
Flame  
High heat

### SENSIBILITY TO STATIC DISCHARGE

Yes

### SENSITIVITY TO MECANICAL SHOCK

Yes

### INCOMPATIBILITY WITH OTHER MATERIALS

Strong oxidizing material

### HAZARDOUS DECOMPOSITION PRODUCTS

Not available

## SECTION 11 - TOXICOLOGICAL INFORMATION

CAS #	Exposure Route	Species	Dose
64742-89-8	LD50 Oral	Guinea pig, adult	8000 mg/kg
	LD50 Skin	Guinea pig, adult	4000 mg/kg
	LC50 Inhalation	Guinea pig, adult	61000 mg/M3
64742-88-7	LD50 Oral	Rat, adult	5000 mg/kg
	LD50 Skin	Rat, adult	3000 mg/kg
	LC50 Inhalation	Rat, adult	5500 mg/M3
108-88-3	LD50 Oral	Rat, adult	5000 mg/kg
	LD50 Skin	Rabbit, adult	12124 mg/kg

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	TDLo	Oral	Human	50 mg/kg
	LC50	Inhalation	Rat, adult	31152 mg/M3
	LCLo	Inhalation	Rat, adult	4000 PPM
	TCLo	Inhalation	Man	100 PPM
14808-60-7	TDLo	Intraperitoneal	Rat, adult	45 mg/kg
	TDLo	Intravenous	Rat, adult	90 mg/kg
	TDLo	Intrapleural	Rat, adult	90 mg/kg
	TDLo	Intratracheal	Rat, adult	111 mg/kg
	TDLo	Implant	Rat, adult	900 mg/kg
	TCLo	Inhalation	Rat, adult	50 mg/M3
	LDLo	Intravenous	Rat, adult	90 mg/kg
	LDLo	Intratracheal	Rat, adult	200 mg/kg
	LCLo	Inhalation	Human	.3 mg/M3

## CARCINOGENICS EFFECTS

Toluene CAS # 108-88-3. Agent (mixture, exposure circumstances) can not be classified to be carcinogenic to humans (group 3) according to the IARC.

## MUTAGENIC EFFECTS

No recorded data was found.

## TERATOGENIC EFFECTS

Toluene CAS # 108-88-3 penetrates the placenta, in humans. It has an embryotoxic and/or fetal-toxic effect in animals. The information does not permit an adequate evaluation on post-natal effects.

## DEVELOPMENTAL EFFECTS

No recorded data was found.

## CHRONIC EFFECTS

No recorded data was found.

## SECTION 12 - ECOLOGICAL INFORMATION

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## SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable Federal, Provincial, state and municipal regulations.

## SECTION 14 - TRANSPORT INFORMATION

TDG UN Number 1133  
TDG Class 3  
TDG Packing group II  
Shipping name ADHESIVES

Note: For containers of 5 Litres or less, EXEMPTED from Transport of Dangerous Goods by road according to exemption of article 1.17 (Limited Quantity).

## SECTION 15 - REGULATORY INFORMATION

HMIS Health Code 2 - Moderate Hazard  
HMIS Fire Code 3 - Serious Hazard  
HMIS Reactivity Code 1 - Slight Hazard  
HMIS Personal Protection H: splash goggles, gloves, synthetic apron and a vapor respirator.

## WHMIS CLASS

D2A - Very toxic materials causing other toxic effects  
D2B - Toxic materials causing other toxic effects  
B2 - Flammable liquids

## WHMIS FORMAT

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of 16 headings instead of 9.

## SECTION 16 - OTHER INFORMATION

The manufacturer hereby declares that the information disclosed herein have been based on our raw material suppliers' data, information and notification. Such raw materials are being used as components in the manufacturing of the product. The

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