

MATERIAL SAFETY DATA SHEET

Name: 376000 MULCO

SECTION 1 - PRODUCT IDENTIFICATION & COMPANY INFORMATION

MSDS Number 376000
Product Name 376000 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)
ALUMINUM SILICATE HYDRATED (pig white 19)	1332-58-7	30-60%
NAPHTHA (light aliphatic fraction)	64742-89-8	30-60%
NAPHTHA (middle aliphatic fraction)	64742-88-7	1-5%
TITANIUM DIOXIDE (pig white 6)	13463-67-7	1-5%
METHYL ALCOHOL	67-56-1	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.
Toxic.
If ingested in large amounts, may cause blindness, narcotic effects, headache, nausea, vomiting, diarrhea, gastrointestinal irritation and ulceration that could lead to severe illness and perhaps death.

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.

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Do not induce vomiting unless directed to do so by medical personnel.
Seek immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point: Tag Closed Cup
Flash point: 9 °C (48.2 °F)
Lower flammable 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

Wear a self-sufficient breathing apparatus.
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.

SECTION 6 - MEASURES FOR ACCIDENTAL SPILL OR RELEASE

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CONTAINMENT

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

CLEAN-UP

Remove all sources of ignition.

Ventilate the area.

Transfer the absorbed material into a waste container.

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
1332-58-7	ACGIH	TLV	5 mg/M3
	OSHA	PEL	10 mg/M3
64742-89-8	ACGIH	STEL	500 PPM
	ACGIH	TLV	300 PPM
64742-88-7	ACGIH	TLV	100 PPM
13463-67-7	ACGIH	TLV	10 mg/M3

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	OSHA	PEL	15 mg/M3
67-56-1	ACGIH	STEL	250 PPM
	ACGIH	TLV	200 PPM
	OSHA	PEL	200 PPM
	OSHA	STEL	250 PPM

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:	100 °C (212 °F)
Evaporation rate:	Slower than n-Butyl Acetate

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Vapor pressure at 20°C: 0 mm Hg < vapour pressure < 50 mm Hg
Vapor Density: Heavier than air
Volatiles by Weight (%): 34.65
Volatiles by Volume (%): 52.36
Specific gravity (kg/L): 1.07
Coating VOC (g/L): 371.3

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
1332-58-7	TDLo Oral	Rat, adult	590 mg/kg
64742-89-8	LD50 Oral	Guinea pig, adult	8000 mg/kg
	LD50 Skin	Guinea pig, adult	4000 mg/kg
	LC50 Inhalation	Mouse	16000 PPM
64742-88-7	LD50 Oral	Rat, adult	5600 mg/kg

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	LD50	Skin	Rat, adult	3000 mg/kg
	LC50	Inhalation	Rat, adult	10000 PPM
13463-67-7	LD50	Oral	Rat, adult	24000 mg/kg
	LD50	Skin	Rabbit, adult	10000 mg/kg
67-56-1	LD50	Oral	Rat, adult	5628 mg/kg
	LD50	Skin	Rabbit, adult	20000 mg/kg
	LC50	Inhalation	Rat, adult	64000 PPM

CARCINOGENICS EFFECTS

The titanium dioxide CAS # 13463-67-7 is possible human carcinogen (groupe 2B) according to the IARC.

MUTAGENIC EFFECTS

No recorded data was found.

TERATOGENIC EFFECTS

No recorded data was found.

DEVELOPMENTAL EFFECTS

No recorded data was found.

CHRONIC EFFECTS

No recorded data was found.

SECTION 12 - ECOLOGICAL INFORMATION

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

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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 manufacturer has no control over the nature and content of such information. The manufacturer fully reproduces all the information it holds on the constituent of the product, at the time it is manufactured. The manufacturer does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. By this data sheet, the manufacturer hereby discloses all the potential dangers it has knowledge of and which might be related to the using or manipulation of the product in order to allow the proper care to be brought

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and use with regard to the product. Materials used may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist and notification is hereby given to the user. The product must be handled with care and it is recommended to use all the required measures in order to ensure the protection and safety of any person using or handling the product. Notice is hereby given that injury can derive therefrom if the foregoing is not respected. The manufacturer assumes no responsibility for personal and/or material damage, lost or injury of whichever nature caused or which may occur following the wrongful, inappropriate, negligent or abusive use or handling of the product or from not having read the herein contained information.