

MATERIAL SAFETY DATA SHEET

Name: 389000 MULCO ADHESIVE 89

SECTION 1 - PRODUCT IDENTIFICATION & COMPANY INFORMATION

MSDS Number 389000
Product Name 389000 MULCO ADHESIVE 89
Company identification SICO PRODUCTION INC.
2505 De la Metropole
Longueuil QC J4G 1E5
CANADA
Contact Service au client/Customer Service/Servicio con cliente
Telephone 450 442-7999
Fax number 450 646-7699
Prepared by Regulatory Department
Regulatory telephone 514 495-5710
Emergency contact CANUTEC
Emergency telephone 613 996-6666
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%
ALUMINUM SILICATE HYDRATED (pig white 19)	1332-58-7	10-30%
n-HEPTANE	142-82-5	10-30%
ISOPROPYL ALCOHOL	67-63-0	1-5%
STYRENE MONOMER	100-42-5	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 5 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: Tag Closed Cup
Flash point: -3.89 °C (24.998 °F)
Lower flam. limit (%): .9
Upper flammable limit (%): 10.5
Auto Ignition Point: 222 °C (431.6 °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

CONTAINMENT

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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
1317-65-3	ACGIH	TLV	10 mg/M3
	OSHA	PEL	5 mg/M3
1332-58-7	ACGIH	TLV	5 mg/M3
	OSHA	PEL	10 mg/M3
142-82-5	ACGIH	STEL	500 PPM
	ACGIH	TLV	400 PPM
67-63-0	ACGIH	STEL	500 PPM
	ACGIH	TLV	400 PPM

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	OSHA	PEL	400 PPM
	OSHA	STEL	500 PPM
100-42-5	ACGIH	STEL	100 PPM
	ACGIH	TLV	50 PPM
	OSHA	PEL	50 PPM
	OSHA	STEL	100 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:	-90.6
Boiling temperature:	Initial 100°C

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Evaporation rate: Slower than n-Butyl Acetate
Vapor pressure at 20°C: Not available
Volatile weight (%): 29.06
Volatile Volume (%): 49.1
Specific gravity (kg/L): 1.38
Coating VOC (g/L): 269.3

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID

Sparks
Flame
High heat

SENSIBILITY TO STATIC DISCHARGE

Yes

SENSITIVITY TO MECHANICAL 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
142-82-5	LD50 Intravenous	Mouse	222 mg/kg
	LC50 Inhalation	Rat, adult	53041 mg/M3
	LD50 Oral	Rat, adult	15000 mg/kg
67-63-0	LD50 Oral	Rat, adult	5045 mg/kg

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	TDLo	Oral	Human	223 mg/kg
	LDLo	Oral	Human	3570 mg/kg
	LD50	Intraperitoneal	Rat, adult	2735 mg/kg
	LD50	Intravenous	Rat, adult	1099 mg/kg
	LD50	Skin	Rabbit, adult	12800 mg/kg
	LCLo	Inhalation	Rat, adult	16000 PPM
	LDLo	Unreported	Man	2770 mg/kg
	LC50	Inhalation	Rat, adult	16000 PPM
100-42-5	LCLo	Inhalation	Human	10000 PPM
	TDLo	Oral	Rat, adult	8600 mg/kg
	TCLo	Inhalation	Human	600 PPM
	LD50	Oral	Rat, adult	2650 mg/kg
	LD50	Intraperitoneal	Rat, adult	898 mg/kg
	LD50	Oral	Mouse	316 mg/kg
	LD50	Intraperitoneal	Mouse	660 mg/kg
	LD50	Intravenous	Mouse	90 mg/kg
	LC50	Inhalation	Rat, adult	2800 PPM
	LD50	Skin	Rat, adult	2820 mg/kg

CARCINOGENICS EFFECTS

No recorded data was found.

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.

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SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

UN Number 1133

UN Classification 3

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

WHMIS CLASS

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

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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 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.