WACKER

SAFETY DATA SHEET

Material: 60063075 **SEMICOSIL® 960 CLEAR SAMPLE**

Version 2.7 (US) Print Date 09/22/2025 Date of last alteration: 09/13/2024

1. Product and company identification

1.1 Identification of the substance or preparation:

Trade name	**SEMICOSIL® 960 CLEAR SAMPLE**
Product group:	RTV Dispersion Coating
Use of the Substance/Mixture	Industrial. electronic coating

1.2 Company/undertaking identification:

Manufacturer/distributor:	Wacker Chemical Corporation 4950 S State Road Ann Arbor, MI 48108 USA
Customer information:	InfoLine: Tel (517) 264-8240 Hours of operation: Monday - Friday, 8 am to 5 pm (eastern standard time) Corporate website: www.wacker.com
Emergency telephone no. (24h):	**(517) 264-8500**
Transportation emergency:	(800) 424-9300 (CHEMTREC, USA) (703) 527-3887 (CHEMTREC, international)

This SDS was prepared by the Regulatory Affairs and Product Safety Department (RAPS) of Wacker Chemical Corporation.

2. Hazards identification

2.1 Classification of the substance or mixture

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200):

Classification	H-Code
Short-term (acute) aquatic hazard, Category 2	H401
Long-term (chronic) aquatic hazard, Category 2	H411
Aspiration hazard, Category 1	H304
Specific target organ toxicity - single exposure, Category 3	H336
Skin sensitisation, Category 1	H317
Serious eye damage/eye irritation, Category 2A	H319
Skin corrosion/irritation, Category 2	H315
Flammable liquids, Category 2	H225

2.2 Label elements

GHS-Labelling:

Pictogram(s):

Signal word: Danger

H-Code	Hazard statements
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

P-Code	Precautionary statements
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P243	Take action to prevent static discharges.
P273	Avoid release to the environment.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310	Immediately call a POISON CENTER/ doctor.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P370 + P378	In case of fire: use water spray, extinguishing powder, foam or carbon dioxide to extinguish.
P403 + P235	Store in a well-ventilated place. Keep cool.
P404	Store in a closed container.
P501	Dispose of contents/container to waste disposal.

2.3 Other hazards

This material releases cyclohexylamine upon moisture curing. Upon completion of the curing process, cyclohexylamine will no longer be released.
Endocrine disrupting properties - human health: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Endocrine disrupting properties - environment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

3. Composition/information on ingredients

3.1 Chemical characterization (preparation)

Chemical characterization
Polydimethylsiloxane+auxiliary+Aminosilane+solvent

3.2 Information on ingredients:

Type	CAS-No.	Substance	Content [wt. %]		Note
			Lower	Upper	
INHA	64742-49-0	Hydrocarbon mixture		<=30.0	
INHA	15901-40-3	Methyl tricyclohexylamino silane		<=4.0	
INHA	1760-24-3	Amino alkoxysilane		<=0.25	

Type: HYD - by-product upon hydrolysis, INHA - ingredient, NEBE - by-product, MONO - residual monomer, VERU - impurity, VUL - by-product upon vulcanization. *** **Note:** C1 - IARC carcinogen, C2 - NTP carcinogen, C3 - OSHA carcinogen, NH - non-hazardous, R - reproductive toxin.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product. Specific chemical identities and/or exact percentage (concentration) of the composition may have been withheld as a trade secret.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above ≥ 0.1%.

4. First-aid measures

4.1 General information:

Get medical attention immediately. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

4.2 If inhaled

If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.

4.3 In case of skin contact

For skin contact, immediately wipe away excess material. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water.

4.4 In case of eye contact

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

4.5 If swallowed

For Ingestion, do not attempt to induce vomiting. Danger of aspiration. If conscious, have them rinse their mouth with water but do not give anything to drink. Get medical attention immediately.

5. Fire-fighting measures

5.1 Flammable properties:

Property:	**Value:**	**Method:**
Flash point	21 °C (70 °F)	(ASTM D93)
Boiling point/boiling range	117.78 °C (244.00 °F)	
Lower explosion limit	0.9 %(V)	
Upper explosion limit	6.7 %(V)	
Ignition temperature	Not determined.	
NFPA Hazard Class (comb./flam.liquid)	IB	

5.2 Fire and explosion hazards:

Warning! Flammable liquid and vapor. Vapors are heavier than air and may travel along the ground, be moved by ventilation systems, settle in pits or low areas, and be ignited by ignition sources distant from the handling point. The material is lighter than water, burning spilled material will float on top of any water released from hose or sprinkler systems spreading the fire beyond the initial fire response area. Consider possible formation of explosive mixtures with air, for example in uncleaned containers.

5.3 Recommended extinguishing media:

Alcohol Resistant (AR) Fluorine Free Foam (F3). Carbon dioxide. Dry chemical.

5.4 Unsuitable extinguishing media:

sharp water jet .

5.5 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Hazardous decomposition products: carbon dioxide , carbon monoxide , formaldehyde , silicon dioxide , nitrogen oxides and incompletely burnt hydrocarbons .

5.6 Fire fighting procedures:

Fire fighters should wear full protective clothing including a positive pressure self-contained breathing apparatus. Cool endangered containers with water. In case of fire remove container out of endangered area.

6. Accidental release measures

6.1 Precautions:

Shut down all sources of ignition in the area of the spill. Wear personal protection equipment (see section 8). Avoid contact with eyes and skin. Avoid inhaling mists and vapours. If material is released indicate risk of slipping.

HAZWOPER PPE Level: C

6.2 Containment:

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Cover openings to underground drains and sewers.

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response

Center's toll free phone number (800) 424-8802.

6.3 Methods for cleaning up

Do not flush away with water. In the event of a large spill, this material will float on the water's surface. Take up mechanically and dispose of according to local/state/federal regulations. For small amounts: Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Use non-sparking equipment to clean up spills of flammable materials. Exhaust vapours.

6.4 Further information:

Eliminate all sources of ignition.

7. Handling and storage

7.1 Handling

Precautions for safe handling:
Keep away from heat, sparks and flame. Keep container closed when not in use.

Precautions against fire and explosion:
Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from heat, sparks and flame. Take precautionary measures against electrostatic charging. Do not weld, cut, or grind on empty containers. Cool endangered containers with water.

7.2 Storage

Conditions for storage rooms and vessels:
Nitrogen blanket, pad, or purge containers to prevent flammable air-vapor mixtures from forming in the container headspace. Do not store flammable liquids in plastic IBCs (i.e. Intermediate Bulk Containers or plastic tote tanks). Containers used to dispense flammable liquids should be equipped with an earthing cable and self closing spigots. Make sure there is no possibility of entering the ground.

Advice for storage of incompatible materials:
Do not store together with oxidizing agents like peroxides etc. Do not store with oxidizing substances. Keep away from water.

Further information for storage:
Do not weld, cut, or grind on empty containers. Store flammable liquids in a cool, dry, fire protected storage area, free from sources of ignition, away from compressed or liquid oxygen or other oxidizing agents (e.g. organic peroxides, concentrated oxidizing inorganic acids). Store in the original container. Store in a cool, temperature regulated location. Store in a well ventilated area to limit the accumulation of vapors released from vented or unsealed containers.

8. Exposure controls and personal protection

8.1 Engineering controls

Ventilation:
General ventilation sufficient to provide 1 CFM per square foot of floor area or 6 room air exchanges per hour is recommended.

Local exhaust:
To control flammable/combustible vapors: Local exhaust ventilation which meets the requirements of ANSI Z9.2 is recommended to control airborne contaminants at the point of use. (to maintain concentration below TLV) .

8.2 Associate substances with specific control parameters such as limit values

Maximum airborne concentrations at the workplace:

Substance	Type	mg/m³	ppm	Dust fract.
Cyclohexylamine	ACGIH TWA		10.0	

8.3 Personal protection equipment (PPE)

Respiratory protection:
Recommendation in case of long or strong exposure: A NIOSH approved air purifying respirator equipped with universal multi-contaminant multi-gas/vapor cartridges is recommended if overexposure to chemical vapors could occur. If eye-irritating dusts or vapors are present, a full-face respirator should be worn.

Hand protection:
butyl rubber protective gloves

Eye protection:
Safety glasses with side shields or chemical safety goggles. Where there is risk of splashing: tight fitting chemical safety goggles , protective shield .

Other protective clothing or equipment:
Additional skin protection, such as SARANEX coated Tyvek apron, over-sleeves, lab coat, coveralls, or protective suit should be worn if splashing could occur. Provide emergency shower and eye-bath.

8.4 General hygiene and protection measures:

Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. Wash thoroughly after handling.

9. Physical and chemical properties

9.1 Appearance

Physical state	:	liquid
Form	:	viscous
Colour	:	colourless
Odour	:	solvent like/oily

9.2 Safety data

Property:		**Value:**	**Method:**
Melting point	:	not determined	
Boiling point/boiling range	:	117.78 °C (244.00 °F)	
Flash point	:	21 °C (70 °F)	(ASTM D93)
Ignition temperature	:	Not determined.	
Lower explosion limit	:	0.9 %(V)	
Upper explosion limit	:	6.7 %(V)	
Vapour pressure	:	35 hPa	
Density	:	0.93 g/cm³ at 25 °C (77 °F)	
Water solubility	:	insoluble	
pH	:	Not applicable. Insoluble in water.	
Viscosity, dynamic	:	4000 mPa.s at 25 °C (77 °F)	

9.3 Further information

No data available.

Odour Threshold	:	no data available	
Percent Volatiles	:	33 %	
VOC	:	301 g/l	(EPA Method 24A)
VOC Released During Cure	:	28 g/l	(Estimated Value)
Thermal decomposition	:	no data available	

10. Stability and reactivity

10.1 General information:

Stable under normal conditions of use.

10.2 Conditions to avoid

Keep away from incompatible substances.

10.3 Materials to avoid

Strong acids. Bases (alkali or caustic materials). Oxidizing materials (oxygen, oxidizers, peroxides, etc.). Ammonia and other amines.

10.4 Hazardous decomposition products

Cyclohexylamine is released unpon contact with water.

10.5 Further information:

Hazardous polymerization cannot occur.

11. Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Product details:

Exposure routes	Result/Effect
Oral	LD50 > 4640 mg/kg Species: Rat, Source: test report

11.1.2 Skin corrosion/irritation

Assessment:

Irritation of the skin must be expected. Due to a strong adherence to the skin symptoms of skin corrosion cannot be excluded after removing the substance mechanically.

Product details:

Symptoms of skin corrosion were observed. Based on the adherent properties of the substance the relevance must be questioned. (Species: Rabbit, Exposure duration: 4 h, Source: test report)
not corrosive (Test system: In Vitro Membrane Barrier Test Method for Skin Corrosion - CORROSITEX, Source: test report)

11.1.3 Serious eye damage/eye irritation

Assessment:

After contact to the eyes irritation of the eye must be expected.

Product details:

irritating (Species: Rabbit, Source: test report)

11.1.4 Respiratory or skin sensitisation

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.5 Germ cell mutagenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.6 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.7 Reproductive toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Specific target organ toxicity - single exposure

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity - repeated exposure

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.11 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

11.1.12 Further toxicological information

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Other information: According to literature aliphatic hydrocarbons are slightly irritating to the skin and mucuous membranes and have a skin drying and narcotic effect. If the lungs are directly affected (e.g. by aspiration), inflammation of the lungs may occur. Hydrolysis product / impurity: Cyclohexylamine (CAS RN 108-91-8) is corrosive to skin and eyes and shows moderate toxic effects after oral administration as well as distinct toxic effects after dermal administration. Exposure to vapour causes irritation of the upper respiratory tract and the eyes. In animal experiments reproductive effects were observed.

12. Ecological information

12.1 Toxicity

Assessment:

For the product as a whole, no test data is available.

12.2 Persistence and degradability

Assessment:

Silicone content: biologically not degradable. Elimination by adsorption to activated sludge.

12.3 Bioaccumulative potential

Assessment:

Polymer component: Bioaccumulation is not expected to occur.

12.4 Mobility in soil

Assessment:

Insoluble in water.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

none known

13. Disposal considerations

13.1 RCRA Waste Classification:

D001 (Ignitable)
This classification applies only to the material as it was originally produced.

13.2 Product disposal

Recommendation:
Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

13.3 Packaging disposal

Recommendation:
Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material. Uncleaned containers should not be reused to hold another material due to the potential for reaction between residual product and incompatible materials.

14. Transport information

14.1 US DOT & CANADA TDG SURFACE

Valuation	:	Dangerous Goods
Proper Shipping Name	:	Flammable liquid, n.o.s.
Technical name	:	(contains petroleum naphtha)
Class	:	3
UN no.	:	1993
Packing group	:	II
Label	:	**TL:flammable liquid/3
NAERG Guide	:	128
Other Information	:	The Fish & Tree marine pollutant mark is required on bulk containers in ground transportation, and on both bulk and non-bulk containers when shipping by water.

14.2 Transport by sea IMDG-Code

Valuation	:	Dangerous Goods
Class	:	3
Packing group	:	II
UN no.	:	1993
Proper Shipping Name	:	Flammable liquid, n.o.s.
Technical name	:	(contains petroleum naphtha)
Marine pollutant	:	yes

14.3 Air transport ICAO-TI/IATA-DGR

Valuation	:	Dangerous Goods
Class	:	3
UN no.	:	1993
Proper Shipping Name	:	Flammable liquid, n.o.s.
Technical name	:	(contains petroleum naphtha)
Packing group	:	II

15. Regulatory information

15.1 U.S. Federal regulations

TSCA inventory status and TSCA information:
This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:
This material does not contain reportable amounts of any TSCA 12(b) listed chemicals.

CERCLA Regulated Chemicals:
This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:
This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:
Aspiration hazard. Skin corrosion or irritation. Serious eye damage or eye irritation. Respiratory or skin sensitisation. Specific target organ toxicity (single or repeated exposure). Flammable (gases, aerosols, liquids, or solids)

SARA 313 Chemicals:
This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):

CAS-No.	Chemical	Upper limit wt. %
108-88-3	Toluene	<=0.0387
67-56-1	Methanol	<=0.0002

15.2 US State Regulations

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer.

California Proposition 65 Reproductive Toxins:
108-88-3 Toluene
67-56-1 Methanol

Massachusetts Right To Know
108-91-8 Cyclohexylamine
107-15-3 1,2-Diaminoethane

15.3 Details of international registration status

Relevant information about individual substance inventories, where available, is given below.

Japan ..... : **ENCS** (Handbook of Existing and New Chemical Substances):
This product is listed in, or complies with, the substance inventory.

Australia ..... : **AIIC** (Australian Inventory of Industrial Chemicals):
This product is listed in, or complies with, the substance inventory.

China..... : **IECSC** (Inventory of Existing Chemical Substances in China):
This product is listed in, or complies with, the substance inventory.

Canada ..... : **DSL** (Domestic Substance List):
This product is listed in, or complies with, the substance inventory.

Philippines..... : **PICCS** (Philippine Inventory of Chemicals and Chemical Substances):
This product is listed in, or complies with, the substance inventory.

United States of America (USA)..... : **TSCA** (Toxic Substance Control Act Chemical Substance Inventory):
All components of this product are listed as active or are in compliance with the substance inventory.

Taiwan ..... : **TCSI** (Taiwan Chemical Substance Inventory):
This product is listed in, or complies with, the substance inventory. General note: The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.

European Economic Area (EEA)..... : **REACH** (Regulation (EC) No 1907/2006):
General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.

South Korea (Republic of Korea) ..... : **AREC** (Act on Registration and Evaluation of Chemicals; “K-REACH”):
Please approach your regular contact for more detailed information.

16. Other information

16.1 Additional information:

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200).This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of

the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Vertical lines in the left-hand margin indicate changes compared with the previous version.

WACKER restricts the use of its products inside the human body or in contact with bodily fluids and mucosa. For further details please review our Health Care Policy on www.wacker.com. WACKER may cancel any delivery obligation(s) if the Health Care Policy is not observed.

16.2 Glossary of Terms:

ACGIH - American Conference of Governmental Industrial Hygienists
DOT - Department of Transportation
hPa - Hectopascals
mPa*s - Milli Pascal-Seconds
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit
ppm - Parts per Million
SARA - Superfund Amendments and Reauthorization Act
STEL - Short Term Exposure Limit
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average

Flash point determination methods	**Common name**
ASTM D56	Tagliabue (Tag) closed cup
ASTM D92, DIN 51376, ISO 2592	Cleveland open cup
ASTM D93, DIN 51758, ISO 2719	Pensky-Martens closed cup
ASTM D3278, DIN 55680, ISO 3679	Setaflash or Rapid closed cup
DIN 51755	Abel-Pensky closed cup

16.3 Conversion table:

Pressure: 1 hPa * 0.75 = 1 mm Hg = 1 torr; 1 bar = 1000 hPa
Viscosity: 1 mPa*s = 1 centipoise (cP)