

# Safety Data Sheet

Material: 60065594

SEMICOSIL® 949 UV A

Version: 2.4 (US)

Date of print: 05/06/2022

Date of last alteration: 07/28/2021

## 1. Product and company identification

### 1.1 Identification of the substance or preparation:

**Commercial product name:** SEMICOSIL® 949 UV AUse of substance / preparation: Industrial.  
Potting compound

### 1.2 Company/undertaking identification:

Manufacturer/distributor: Wacker Chemie AG  
Hanns-Seidel-Platz 4  
81737 München  
GermanyCustomer information: Wacker Chemical Corporation  
3301 Sutton Road  
Adrian, Michigan 49221-9397  
USA  
InfoLine:  
Tel (517) 264-8240  
Hours of operation:  
Monday - Friday, 8 am to 5 pm (eastern standard time)  
Corporate website: www.wacker.comEmergency 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

**Classification (GHS):**

Hazard class	Hazard category	Route of exposure	H-Code
Reproductive toxicity	Category 2		H361f

### 2.2 Label elements

**Labelling (GHS):**

Pictogram(s):



Signal Word: Warning

H-Code	Hazard Statements
H361f	Suspected of damaging fertility.
P-Code	Precautionary Statements
P280	Wear protective gloves/protective clothing/eye protection.

### 2.3 Other hazards

The product contains substances which are relevant for the assessment in chapter 12.5. Product can release hydrogen. Risk of hydrogen gas formation with water, alcohols, acids, metallic salts, amines and alkalis. In combination with oxygen, the released hydrogen can form oxyhydrogen. The product hydrolyses under formation of methanol (CAS-Nr. 67-56-1). Methanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.

## 3. Composition/information on ingredients

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## 3.1 Chemical characterization (preparation)

Chemical characteristics

Polydimethylsiloxane with functional groups and auxiliaries for addition cross-linking

## 3.2 Information on ingredients:

Type	CAS No.	Substance	Content [wt. %]		Note
			Lower	Upper	
VERU	556-67-2	Octamethyl cyclotetrasiloxane	>=0.1	<0.3	R

**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.

**The product contains the following substances of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 57) in amounts ≥ 0.1%:**

Type	CAS No.	Substance	Content [%]
VERU	541-02-6	Decamethylcyclopentasiloxane	>=0.1– <0.3
VERU	540-97-6	Dodecamethylcyclohexasiloxane	>=0.1– <0.3
VERU	556-67-2	Octamethylcyclotetrasiloxane	>=0.1– <0.3

Type: INHA: ingredient, VERU: impurity

## 4. First-aid measures

### 4.1 General information:

Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

### 4.2 After inhalation

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

### 4.3 After contact with the skin

Remove material with a waterless skin cleaner from skin and clothing. Wash with soap and water.

### 4.4 After contact with the eyes

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

### 4.5 After swallowing

For ingestion, if conscious, give several glasses of water but do not induce vomiting. Indicate the possible formation of methanol. Get medical attention immediately.

### 4.6 Advice for the physician

Treat symptomatically.

## 5. Fire-fighting measures

### 5.1 Flammable properties:

Property:	Value:	Method:
Flash point.....	> 150 °C (> 302 °F)	(ISO 2719)
Boiling point / boiling range .....	no data available	
Lower explosion limit (LEL) .....	not applicable	
Upper explosion limit (UEL).....	not applicable	
Ignition temperature .....	> 300 °C (> 572 °F)	(DIN 51794)
NFPA Hazard Class (comb./flam.liquid) .....	IIIB	

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## 5.2 Fire and explosion hazards:

Under certain conditions this material may generate flammable hydrogen gas. Hydrolyzes on contact with moisture releasing ignitable vapors. Explosion limits for hydrolysis product: 4-75.6% v/v (hydrogen) , 5.5-44% v/v (methanol) . Consider possible formation of explosive mixtures with air, for example in uncleaned containers by moisture.

## 5.3 Recommended extinguishing media:

AFFF alcohol compatible foam. Carbon dioxide. Dry chemical. Water - Use Fine Spray or Fog.

## 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 and incompletely burnt hydrocarbons .

## 5.6 Fire fighting procedures:

Full turn-out gear and Self Contained Breathing Apparatus (SCBA) should be worn when fighting large fires. Cool endangered containers with water.

# 6. Accidental release measures

## 6.1 Precautions:

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. If material is released indicate risk of slipping. Do not walk through spilled material.

**HAZWOPER PPE Level: D**

## 6.2 Containment:

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

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

Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. For small amounts: Absorb with a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. For large amounts: Liquids may be recovered using suction devices or pumps. Use only air driven or properly rated electrical equipment. Use vented recovery containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Silicone fluids are slippery; spills are a safety hazard. Apply sand or other inert granular material to improve traction.

## 6.4 Further information:

Exhaust vapours. Eliminate all sources of ignition. Consider explosion protection. Material designated for disposal must be segregated from incompatible substances or materials specified in Sect. 10. Do not blend contaminated material with uncontaminated material. Do not seal collecting vessel gas-tight. Observe notes under section 7.

# 7. Handling and storage

## 7.1 Handling

### Precautions for safe handling:

Ensure adequate ventilation. Must be syphoned off in situ. Open and handle container with care. Keep container closed when not in use. Keep away from incompatible substances in accordance with section 10. Where possible, inert process equipment and blanket vessels, tanks and containers with nitrogen to reduce the available oxygen level. Contact WACKER for additional publications on the safe Handling of SiH Products. Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Spilled substance increases risk of slipping. Observe information in section 8.

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**Precautions against fire and explosion:**

Product can release hydrogen. Product can separate methanol. 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 sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

**7.2 Storage****Conditions for storage rooms and vessels:**

Protect against light. Do not store in virgin glass containers with basic surface. Observe local/state/federal regulations.

**Advice for storage of incompatible materials:**

Do not store with: basic substances (e.g. alkalis, ammonia, amines), oxidizing agents, strong acids. Observe local/state/federal regulations.

**Further information for storage:**

Store in a dry and cool place. Protect against moisture. Store container in a well ventilated place.

**8. Exposure controls and personal protection****8.1 Engineering controls****Ventilation:**

Use with adequate ventilation.

**Local exhaust:**

No special ventilation required.

**8.2 Associate substances with specific control parameters such as limit values****Maximum airborne concentrations at the workplace:**

CAS No.	Substance	Type	mg/m <sup>3</sup>	ppm	Dust fract.
67-56-1	Methanol	OSHA PEL	260.0	200.0	
67-56-1	Methanol	ACGIH TWA		200.0	

Re Methanol (CAS-no. 67-56-1): STEL is 250 ppm, skin notation (ACGIH); STEL is 250 ppm, skin notation (NIOSH).

none known

**Further information:**

Maximum concentration at workplace recommended by producer: octamethylcyclotetrasiloxane (D4, CAS no. 556-67-2) = 10 ppm (123 mg/m<sup>3</sup>).

**8.3 Personal protection equipment (PPE)****Respiratory protection:**

Respiratory protection is not normally required.

**Hand protection:**

Any liquid-tight rubber or vinyl gloves.

**Eye protection:**

Safety glasses with side shields.

**Other protective clothing or equipment:**

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

**8.4 General hygiene and protection measures:**

Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. When handling do not eat, drink, smoke or apply cosmetics. Wash thoroughly after handling.

**9. Physical and chemical properties****9.1 Appearance**

Physical state .....: liquid (25 °C (77 °F))  
Colour .....: colourless  
Odour .....: faint

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## 9.2 Safety parameters

Property:	Value:	Method:
Melting point / melting range .....	no data available	
Boiling point / boiling range .....	no data available	
Flash point.....	> 150 °C (> 302 °F)	(ISO 2719)
Ignition temperature .....	> 300 °C (> 572 °F)	(DIN 51794)
Lower explosion limit (LEL) .....	not applicable	
Upper explosion limit (UEL).....	not applicable	
Vapour pressure.....	no data available	
Density .....	0.97 g/cm <sup>3</sup> at 25 °C (77 °F), at 1013 hPa	
Water solubility / miscibility.....	practically insoluble	
pH-Value .....	Not applicable. Insoluble in water.	
Viscosity (dynamic) .....	200 mPa.s at 25 °C (77 °F)	(DIN EN ISO 3219)

## 9.3 Further information

Explosion limits for released hydrogen: 4 - 75.6%(V). Explosion limits for released methanol: 5.5 - 44%(V).

Odour limit..... : no data available  
Thermal decomposition..... : no data available

## 10. Stability and reactivity

### 10.1 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

### 10.2 Conditions to avoid

Moisture, direct sunlight, heat, open flames, and other sources of ignition. Contact with contaminated piping or vessels or with corroded and rusty containers can increase the rate of hydrogen formation. Observe information in section 7.

### 10.3 Materials to avoid

Proton-active substances. Reacts violently with: acids , basic substances (e.g. alkalis, ammonia, amines) . Reacts with: alcohols , water , moisture , oxidizing agents , catalyst . The reaction takes place with the formation of hydrogen and methanol.

### 10.4 Hazardous decomposition products

Methanol by hydrolysis. In contact with incompatible substances this material may quickly generate a large volume of flammable hydrogen gas. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

### 10.5 Further information:

Hazardous polymerization cannot occur.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### 11.1.1 General information

Data derived for the product as a whole are of higher priority than data for single ingredients.

#### 11.1.2 Acute toxicity

##### Product details:

Route of exposure	Result/Effect	Species/Test system	Source
Oral	LD50: > 2000 mg/kg	Rat	Conclusion by analogy
dermal	LD50: > 2000 mg/kg	Rat	Conclusion by analogy

#### 11.1.3 Skin corrosion/irritation

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**Product details:**

Result/Effect	Species/Test system	Source
No skin irritation	Rabbit	Conclusion by analogy

**11.1.4 Serious eye damage / eye irritation****Product details:**

Result/Effect	Species/Test system	Source
No eye irritation	Rabbit	Conclusion by analogy

**11.1.5 Respiratory or skin sensitization****Product details:**

Route of exposure	Result/Effect	Species/Test system	Source
dermal	Does not cause skin sensitisation.	Guinea pig; Buehler Test	Conclusion by analogy OECD 406

**11.1.6 Germ cell mutagenicity****Assessment:**

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

**Data on substances:****Octamethylcyclotetrasiloxane (D4):**

Based on known data a significant mutagenic potential may be excluded.

**Decamethylcyclopentasiloxane (D5):**

Based on known data a significant mutagenic potential may be excluded.

**11.1.7 Carcinogenicity****Assessment:**

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

**Data on substances:****Octamethylcyclotetrasiloxane (D4):**

In a two year combined chronic toxicity and carcinogenicity inhalation study with octamethylcyclotetrasiloxane (OMCTS/D4) in rats, an increased incidence of (uterine) endometrial cell hyperplasia and endometrial adenomas were observed at the highest exposure level of 700 ppm in female rats. These same effects were not seen at the other dose levels of 10, 30, and 150 ppm. Since these effects only occurred at 700 ppm, a level that greatly exceeds typical workplace or consumer exposure, it is unlikely that industrial, commercial or consumer uses of products containing OMCTS/D4 would result in a significant risk to humans.

Weight of evidence does not support classification as a carcinogen

**Decamethylcyclopentasiloxane (D5):**

In a two year combined chronic toxicity and carcinogenicity inhalation study with decamethylcyclopentasiloxane (D5) in rats, an increased incidence for (uterine) endometrial tumors was observed in the highest exposure level of 160 ppm in female rats. The same effects were not seen at the other dose levels of 10 and 40 ppm. Whether or not this increase in incidence is truly related to the exposure to D5 is questionable and yet to be determined. Based on our present knowledge it is unlikely that industrial, commercial or consumer uses of products containing D5 would result in a significant risk to humans.

Weight of evidence does not support classification as a carcinogen

**11.1.8 Reproductive toxicity****Assessment:**

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

**Data on substances**

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**Octamethylcyclotetrasiloxane (D4):**

In a two generation reproductive study via inhalation with OMCTS/D4 rats, decreased mean live litter size and prolonged labor (dystocia) were observed at the 500 ppm and 700 ppm exposure levels. The relevance of these effects in humans cannot be determined at this time. Because these effects are only seen at very high exposure levels, it is unlikely that industrial, commercial and/or consumer uses of products containing OMCTS/D4 would result in a significant risk to humans. Based on animal experiments there is no indication of developmental effects.

**Decamethylcyclopentasiloxane (D5):**

Based on the available data the criteria for classification as toxic to reproduction are not fulfilled.

**11.1.9 Specific target organ toxicity (single exposure)****Assessment:**

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

**11.1.10 Specific target organ toxicity (repeated exposure)****Assessment:**

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

**Data on substances:****Octamethylcyclotetrasiloxane (D4):**

Based on the available data the criteria for classification as toxic after repeated exposure are not fulfilled.

**Decamethylcyclopentasiloxane (D5):**

Based on the available data the criteria for classification as toxic after repeated exposure are not fulfilled.

**11.1.11 Aspiration hazard****Assessment:**

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

**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.

**Data on substances:****Product of hydrolysis (Methanol):**

Methanol (CAS 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

**12. Ecological information****12.1 Toxicity****Assessment:**

Evaluation on basis of physical-chemical properties: No expected damaging effects to aquatic organisms.

**12.2 Persistence and degradability****Assessment:**

Polymer component: biologically not degradable. Elimination by adsorption to activated sludge.

**Data on substances:****Product of hydrolysis (Methanol):**

Methanol is readily biodegradable.

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## 12.3 Bioaccumulative potential

### Assessment:

Polymer component: No adverse effects expected.

## 12.4 Mobility in soil

### Assessment:

Polymer component: insoluble in water.

## 12.5 Results of PBT and vPvB assessment

The product contains substances  $\geq 0.1\%$  that have been subjected to the SVHC process according to REACH regulation (EC) No 1907/2006 Art. 57 as fulfilling the PBT and/or vPvB criteria according to REACH regulation (EC) No 1907/2006 Annex XIII.

## 12.6 Other adverse effects

none known

## 13. Disposal considerations

### 13.1 Product disposal

#### Recommendation:

Risk of oxyhydrogen formation upon contact with the substances mentioned in 10. Material designated for disposal must be segregated from incompatible substances or materials specified in Sect. 10. Wastes of this material should not be mixed with other wastes. Provide measures such as vented bungs to ensure pressure relief in the waste containers. Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

### 13.2 Packaging disposal

#### Recommendation:

Containers may contain hazardous quantities of hydrogen gas. Uncleaned containers should not be reused to hold another material due to the potential for reaction between residual product and incompatible materials. 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.

## 14. Transport information

### 14.1 US DOT & CANADA TDG SURFACE

Valuation .....: Not regulated for transport

### 14.2 Transport by sea IMDG-Code

Valuation .....: Not regulated for transport

### 14.3 Air transport ICAO-TI/IATA-DGR

Valuation .....: Not regulated for transport

## 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.



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## SARA 311/312 Hazard Class:

Reproductive toxicity

## 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. %
67-56-1	Methanol	<=0.0023

## 15.2 U.S. State regulations

### California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

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

California Proposition 65 Reproductive Toxins:

67-56-1 Methanol

### Massachusetts Substance List:

This material contains no listed components.

### New Jersey Right-to-Know Hazardous Substance List:

This material contains no listed components.

### Pennsylvania Right-to-Know Hazardous Substance List:

This material contains no listed components.

## 15.3 Details of international registration status

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

Japan .....	<b>ENCS</b> (Handbook of Existing and New Chemical Substances): This product is listed in, or complies with, the substance inventory.
China.....	<b>IECSC</b> (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.
Canada .....	<b>DSL</b> (Domestic Substance List): This product is not listed or in compliance with the substance inventory.
Philippines.....	<b>PICCS</b> (Philippine Inventory of Chemicals and Chemical Substances): This product is not listed or in compliance with the substance inventory.
United States of America (USA).....	<b>TSCA</b> (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 .....	<b>TCSI</b> (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).....	<b>REACH</b> (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) .....	<b>AREC</b> (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

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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](http://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

WHMIS - Canadian Workplace Hazardous Materials Identification System

### Flash point determination methods

ASTM D56.....

ASTM D92, DIN 51376, ISO 2592 .....

ASTM D93, DIN 51758, ISO 2719 .....

ASTM D3278, DIN 55680, ISO 3679 .....

DIN 51755.....

### Common name

Tagliabue (Tag) closed cup

Cleveland open cup

Pensky-Martens closed cup

Setaflash or Rapid closed cup

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)