

**Material Safety Data Sheet**

Material: 60002509

VINNOL® H 11/59

Version: 1.4 (US)

Date of print: 05/03/2012

Date of last alteration: 03/22/2010

**1 Product and company identification****1.1 Identification of the substance or preparation:**

**Commercial product name:** VINNOL® H 11/59  
**Product group:** Polymer  
**Use of substance / preparation** Industrial.  
Binder for: paints , adhesives , Lacquer .  
All other areas of application to be agreed with the  
Application Engineering/ Technical Marketing Department  
of the manufacturer.

**1.2 Company/undertaking identification:**

**Manufacturer/distributor:** Wacker Chemie AG  
Hanns-Seidel-Platz 4  
81737 München  
Germany

**Customer information:** WACKER POLYMERS  
3301 Sutton Road  
Adrian, Michigan 49221-9397  
USA  
Tel (800) 523-9476, Fax (517) 264-4088  
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 MSDS was prepared by the Regulatory Affairs and Product Safety Department (RAPS) of Wacker Chemical Corporation.

**2 Composition/information on ingredients****2.1 Chemical characteristics**

CAS No.	
9003-22-9	Copolymer of: vinyl chloride + vinyl acetate

**2.2 Information on ingredients:**

This material does not contain any hazardous substances at or above OSHA and WHMIS reportable levels.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in Section 2 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.

**3 Hazards identification****3.1 Hazards classifications****HMIS® rating (product as packaged):**

Health: 0

Fire: 1

Reactivity: 0

PPE: E

Note: Respiratory protection is only recommended in the event that ventilation or engineering controls are unable to maintain exposures below recommended levels; or in the event of a spill or other emergency response situation. Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association.

**Canadian WHMIS Classification:** None.

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**3.2 Emergency overview and potential hazards**

This material is not hazardous under OSHA criteria. This material is not hazardous under WHMIS criteria.

**Physical Hazards:**

Nuisance dust.

**Acute health effects****Route of entry or possible contact:**

eyes , skin , inhalation (in case of dust formation)

**Eye contact:**

No acute toxic effects are expected.

**Skin contact:**

No acute toxic effects are expected.

**Inhalation:**

No acute toxic effects are known.

**Ingestion:**

Not expected in industrial use.

**3.3 Further information:****Chronic health effects:**

none known . A long term exposure exceeding TLV can lead to damaging effect as a result of mechanical overloading of the respiratory tract.

**Medical conditions which may be aggravated by exposure:**

unknown

**Carcinogens/Reproductive toxins:**

There are no carcinogenic ingredients present at or over 0.1% in this material. This material does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels.

See Section 11 for Toxicological Information, if any.

**4 First-aid measures****4.1 General information:**

In cases of sickness seek medical advice (show label or SDS if possible).

**4.2 After inhalation**

If inhaled, remove to fresh air, keep the victim laying down and restful.

**4.3 After contact with the skin**

If contact with skin, wash skin with plenty of water or with water and soap. Get medical attention if symptoms occur.

**4.4 After contact with the eyes**

If contact with eyes, immediately flush eyes with plenty of water. Get medical attention if irritation occurs.

**4.5 After swallowing**

If swallowed, give victim several glasses of water. If swallowed, induce vomiting. Get medical attention if symptoms occur. Show label if possible.

**5 Fire-fighting measures****5.1 Flammable properties:****Method**

Flash point.....: not applicable

Boiling point / boiling range.....: not applicable

Lower explosion limit (LEL).....: no data at hand

Ignition temperature .....: > 450 °C (> 842 °F)

**5.2 Fire and explosion hazards:**

Dust may form explosive mixture with air. Electrostatic charging is possible.

**5.3 Recommended extinguishing media:**

water-spray , water-mist , carbon dioxide , dry chemical or foam-type extinguishing media .

**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 combustion products: hydrogen chloride .

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**5.6 Fire fighting procedures:**

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

**6 Accidental release measures****6.1 Precautions:**

Avoid dust formation. Do not breathe dust.

**HAZWOPER PPE Level:** D

**6.2 Containment:**

Cover any spilled material in accordance with regulations to prevent dispersal by wind. 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.

**6.4 Further information:**

Eliminate all sources of ignition. Observe notes under section 7.

**7 Handling and storage****7.1 Handling****Precautions for safe handling:**

Avoid dust formation.

**Precautions against fire and explosion:**

Fine dust may form explosive mixture with air. Keep away from open flames, heat and sparks. Avoid dust deposit, remove dust regularly. Do not remove shrink film in hazardous locations (because of risk of static charging/discharge). Take precautionary measures against electrostatic charging.

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

Observe precautionary measures against dust explosion.

**Advice for storage of incompatible materials:**

not applicable .

**Further information for storage:**

not applicable .

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

Use with adequate ventilation.

**Local exhaust:**

yes (to maintain concentration below TLV)

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

CAS No.	Material	Type	mg/m <sup>3</sup>	ppm	Dust fract.
	Particulates not otherwise classified	OSHA PEL	15.0		Inhalable dust/mist
	Particulates not otherwise classified	OSHA PEL	5.0		Respirable dust/mist
	Particulates not otherwise classified	ACGIH TWA	10.0		Inhalable dust/mist
	Particulates not otherwise classified	ACGIH TWA	3.0		Respirable dust/mist

Re Particulates not otherwise classified: The value is for particulate matter containing no asbestos and < 1% crystalline silica (ACGIH).

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

In case of dust formation use a NIOSH approved respirator for: fine dust .

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**Hand protection:**

Recommendation: rubber gloves .

**Eye protection:**

Recommendation in case of dust formation: tight fitting chemical safety goggles .

**Other protective clothing or equipment:**

Recommendation in case of dust formation: antistatic clothing and shoes .

**8.4 General hygiene and protection measures:**

Avoid breathing dust/vapor/mist/gas/aerosol. Do not eat, drink or smoke when handling. Wash thoroughly after handling.

**9 Physical and chemical properties****9.1 Appearance**Physical state / form.....: solid - powder  
Colour.....: white  
Odour.....: odourless**9.2 Safety parameters**Melting point / melting range.....: not applicable  
Boiling point / boiling range.....: not applicable  
Flash point.....: not applicable  
Ignition temperature .....: > 450 °C (> 842 °F)  
Lower explosion limit (LEL).....: no data at hand  
Vapour pressure.....: not applicable  
Density.....: approx. 1.34 g/cm<sup>3</sup>  
Water solubility / miscibility.....: virtually insoluble  
pH-Value.....: not applicable  
Viscosity (dynamic).....: not applicable**Method**

(DIN 53479)

**9.3 Further information**

Thermal decomposition.....: Decomposition begins at 100 °C (212 °F)

**10 Stability and reactivity****10.0 General information:**

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

**10.1 Conditions to avoid**

none known .

**10.2 Materials to avoid**

none known .

**10.3 Hazardous decomposition products**

If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known .

**10.4 Further information:**

Hazardous polymerization cannot occur.

**11 Toxicological information****11.1 General information:**

Toxicological testing has not been conducted with this material.

**11.2 Toxicological data:****Experience with man**

By handling the product for many years no damage to health was observed.

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**12 Ecological information****12.1 Information on elimination (persistence and degradability)****Biodegradation / further information:**

Biologically not degradable.

**Further information:**

Insoluble in water. Polymer component: Elimination by adsorption to activated sludge.

**12.2 Behaviour in environmental compartments****Mobility**

Insoluble in water.

**Further information:**

No adverse effects expected.

**12.3 Ecotoxicological effects:**

No expected damaging effects to aquatic organisms.

**Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):**

Can be removed mechanically from waste water.

**12.4 Additional information****Other harmful effects**

-

**General information:**

According to present knowledge no adverse influence to environment expected.

**13 Disposal considerations****13.1 Product disposal****Recommendation:**

Can be disposed of as household waste. Local legislation must be observed.

**13.2 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.

**Recommended cleaning agent:**

water .

**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 any TSCA 12(b) regulated chemicals.

**CERCLA Regulated Chemicals:**

This material does not contain any CERCLA regulated chemicals.

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**SARA 302 EHS Chemicals:**

This material does not contain any SARA extremely hazardous substances.

**SARA 311/312 Hazard Class:**

This product does not present any SARA 311/312 hazards.

**SARA 313 Chemicals:**

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

**HAPS (Hazardous Air Pollutants):**

108-05-4 Vinyl acetate

75-01-4 Vinyl chloride

**15.2 U.S. State regulations****California Proposition 65 Carcinogens:**

75-01-4 Vinyl chloride

**California Proposition 65 Reproductive Toxins:**

This material does not contain any chemicals known to the state of California to cause reproductive effects.

**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 Canadian regulations**

This product has been classified in accordance with the Hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Classes:**

None.

**DSL Status:**

This material or its components are listed on the Canadian Domestic Substances List.

**Non-DSL Chemicals:**

This material does not contain any non-DSL chemicals.

**Canadian Ingredient Disclosure List:**

This material contains no listed components.

**15.4 Other international regulations****EU Risk Phrases:**

R-Phrase	Description
R-	-

**EU Safety Phrases:**

S-Phrase	Description
S-	-

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**Details of international registration status**

Listed on or in accordance with the following inventories:

IECSC - China  
EINECS - Europe  
ENCS - Japan  
PICCS - Philippines  
ECL - Korea  
TSCA - USA  
DSL - Canada  
AICS - Australia

**16 Other information****16.1 Additional information:**

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. 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 MSDS 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.

**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)