



Material Safety Data Sheet_{AYAF}

Material: 60002214

Version: 1.1 (US)

Date of print: 06/04/2014

Date of last alteration: 18/12/2012

1. Product and company identification

1.1 Identification of the substance or preparation: **AYAF**

Commercial product name:

Use of substance / preparation

Industrial.

Binder for: Building materials , Plastics .

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.	
9003-20-7	Polyvinyl 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. (HMIS codes are based on contact with the product as packaged and any hydrolysis by-products, if present.)

Canadian WHMIS Classification: None.

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.

Material Safety Data Sheet

Material: 60002214

AYAF

Version: 1.1 (US)

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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 expected.

Ingestion:

Not expected in industrial use.

3.3 Further information:

Chronic health effects:

none known

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

In case of dust/aerosol formation: If inhaled, remove to fresh air.

4.3 After contact with the skin

If contact with skin, wash skin with plenty of water or with water and soap.

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

No special measures required. Get medical attention if symptoms occur.

5. Fire-fighting measures

5.1 Flammable properties:

Property:

Flash point.....	Value:	Method:
Boiling point / boiling range	not applicable	
Lower explosion limit (LEL)	not applicable	
	no data available	

5.2 Fire and explosion hazards:

In case of dust formation, material may form explosive mixtures 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:

none known

Material Safety Data Sheet

Material: 60002214

AYAF

Version: 1.1 (US)

Date of print: 06/04/2014

Date of last alteration: 18/12/2012

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

Hazardous combustion products: carbon dioxide , carbon monoxide and incompletely burnt hydrocarbons . At low oxygen level: acetic acid .

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:

No special measures required.

HAZWOPER PPE Level: D

6.2 Containment:

No special measures required.

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 .

Maximum temperature allowed during storage and transportation: 20 °C (68 °F)

8. Exposure controls and personal protection

8.1 Engineering controls

Ventilation:

Use with adequate ventilation.

Local exhaust:

not necessary

8.2 Associate substances with specific control parameters such as limit values

Maximum airborne concentrations at the workplace:

CAS No.	Material	Type	mg/m ³	ppm	Dust fract.
	Particulates not otherwise classified	OSHA PEL	15.0		Inhalable dust/mist

Material Safety Data Sheet

Material: 60002214

AYAF

Version: 1.1 (US)

Date of print: 06/04/2014

Date of last alteration: 18/12/2012

	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: nuisance dust . Alternatively use a positive pressure, air-supplied respirator (regard TLV).

Hand protection:

Recommendation: rubber gloves .

Eye protection:

In case of dust formation: chemical safety goggles .

Other protective clothing or equipment:

not necessary

8.4 General hygiene and protection measures:

Do not eat, drink or smoke when handling. Wash thoroughly after handling.

9. Physical and chemical properties

9.1 Appearance

Physical state / form: solid - perle
Colour: colourless
Odour: odourless

9.2 Safety parameters

Property:	Value:	Method:
Melting point / melting range	approx. 100 - 200 °C (212 - 392 °F)	
Boiling point / boiling range	not applicable	
Flash point.....	not applicable	
Lower explosion limit (LEL)	no data available	
Vapour pressure.....	not applicable	
Bulk density	700 - 850 kg/m ³	(DIN 53466)
Water solubility / miscibility.....	virtually insoluble	
pH-Value	not applicable	
Viscosity (dynamic)	not applicable	

9.3 Further information

Thermal decomposition.....: > 250 °C (> 482 °F)

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

none known .

10.3 Materials to avoid

none known .

10.4 Hazardous decomposition products

If stored and handled properly: none known . At increased temperature: acetic acid .

Material Safety Data Sheet

Material: 60002214

AYAF

Version: 1.1 (US)

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10.5 Further information:

Hazardous polymerization cannot occur.

11. Toxicological information

11.1 Information on toxicological effects

Toxicological testing has been conducted with this material.

11.1.1 Acute toxicity

Assessment:

Based on the available data acute toxic effects are not expected after single oral exposure.

Product details:

Route of exposure	Result/Effect	Species/Test system	Source
oral	LD ₅₀ : > 2000 mg/kg	rat	Conclusion by analogy

11.1.2 Skin corrosion/irritation

Assessment:

Based on the available data a clinically relevant skin irritation hazard is not expected.

Product details:

Result/Effect	Species/Test system	Source
not irritating	rabbit	Conclusion by analogy OECD 404

11.1.3 Serious eye damage / eye irritation

Assessment:

Based on the available data a clinically relevant eye irritation hazard is not expected.

Product details:

Result/Effect	Species/Test system	Source
not irritating	rabbit	Conclusion by analogy OECD 405

11.1.4 Respiratory or skin sensitization

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:

Material Safety Data Sheet

Material: 60002214

AYAF

Version: 1.1 (US)

Date of print: 06/04/2014

Date of last alteration: 18/12/2012

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

11.1.9 Specific target organ toxicity (repeated exposure)

Assessment:

In animal experiments with repeated exposure no effects with relevance for humans were observed.

Product details:

Result/Effect	Species/Test system	Source
NOAEL: 3080 mg/kg	rat	test report OECD 408

11.1.10 Aspiration hazard

Assessment:

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

11.1.11 Further toxicological information

Other information: By handling the product for many years no damage to health was observed. According to present knowledge, non-mutagenic.

12. Ecological information

12.1 Toxicity

Assessment:

No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

Product details:

Result/Effect	Species/Test system	Source
LC ₅₀ : > 1000 mg/l	Fish (96 h)	literature
EC ₁₀ : 1000 mg/l	sludge (16 h)	literature

12.2 Persistence and degradability

Assessment:

Insoluble in water. Absorbed by floating particles. Separation by sedimentation. Product is hydrolytically stable. Problems with biodegradability.

12.3 Bioaccumulative potential

Assessment:

Bioaccumulation is not expected to occur. No adverse effects expected.

12.4 Mobility in soil

Assessment:

Insoluble in water.

12.5 Other adverse effects

none known

13. Disposal considerations

13.1 Product disposal

Recommendation:

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

Material Safety Data Sheet

Material: 60002214

AYAF

Version: 1.1 (US)

Date of print: 06/04/2014

Date of last alteration: 18/12/2012

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.

14. Transport information

14.1 US DOT & CANADA TDG SURFACE

Valuation : Not regulated for transport
Other Information..... : Temperature Sensitive Material.
Refrigerated Transport Required.

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.

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
75-07-0 Acetaldehyde

15.2 U.S. State regulations

California Proposition 65 Carcinogens:

75-07-0 Acetaldehyde

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.

Material Safety Data Sheet

Material: 60002214

AYAF

Version: 1.1 (US)

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Date of last alteration: 18/12/2012

WHMIS Hazard Classes:

None.

DSL Status:

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

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-	-

Details of international registration status

Listed on or in accordance with the following inventories:

AICS - Australia

IECSC - China

DSL - Canada

ECL - Korea

EINECS - Europe

ENCS - Japan

PICCS - Philippines

TSCA - USA

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

Material Safety Data Sheet

Material: 60002214

AYAF

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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)