

SAFETY DATA SHEET

Revision Date: 07/31/2012

Print Date: 1/17/2013

MSDS Number: R0311642

Version: 1.6

USP 300 WB PVC SINGLE PLY ADHESIVE

™ Trademark, Ashland or its subsidiaries,
registered in various countries163242

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Ashland	Regulatory Information Number	1-800-325-3751
P.O. Box 2219	Telephone	614-790-3333
Columbus, OH 43216	Emergency telephone number	1-800-ASHLAND (1-800-274-5263)
Product name	USP 300 WB PVC SINGLE PLY ADHESIVE ™ Trademark, Ashland or its subsidiaries, registered in various countries	
Product code	USP 300	

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, white

CAUTION! MAY BE HARMFUL IF SWALLOWED.

Potential Health Effects

Exposure routes

Inhalation, Skin contact, Eye Contact, Ingestion

Eye contact

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin contact

May cause slight skin irritation.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

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Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:, lung (for example, asthma-like conditions)

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways)

Target Organs

No data

Carcinogenicity

Vinyl acetate caused an increase in cancer of the nasal cavity in rats. The relevance of this finding to humans is uncertain. The International Agency for Research on Cancer (IARC) reclassified this chemical from Group 3 (not able to be classified) to Group 2B (possibly carcinogenic in humans) in 1995. This classification is based on the study in rats, along with knowledge that vinyl acetate is changed to acetaldehyde, a known animal carcinogen, in the body.

Reproductive hazard

There are no data available for assessing risk to the fetus from maternal exposure to this material.

Other information

Formaldehyde has been identified as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) and the Occupational Safety and Health Administration (OSHA). Formaldehyde is irritating to the eyes, nose, throat, and airways, and can cause an allergic reaction (causes narrowing of the air passages of the lungs, sweating, flushing, hives, rapid heart rate, and lowered blood pressure). In addition, formaldehyde can cause an allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects). It is harmful if inhaled, swallowed or absorbed through skin.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No. / Trade Secret No.	Concentration
ALCOHOLS, C11-14-ISO-, C13-RICH, ETHOXYLATED	78330-21-9	>=5-<10%
VINYL ACETATE MONOMER	108-05-4	>=0.5-<1%

4. FIRST AID MEASURES**Eyes**

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

Hazards: No information available.

Treatment: No information available.

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5. FIREFIGHTING MEASURES

Suitable extinguishing media

Water mist, Carbon dioxide (CO2), Dry chemical

Hazardous combustion products

acetic acid, acrolein, Aldehydes, carbon dioxide and carbon monoxide, various hydrocarbons

Precautions for fire-fighting

No special fire hazards are known to be associated with this product. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

NFPA Flammable and Combustible Liquids Classification

not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

No data

Environmental precautions

No data

Methods for cleaning up

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Absorb liquid on vermiculite, floor absorbent or other absorbent material.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage

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Store in a cool, dry, ventilated area, away from incompatible substances. Store above 40 degrees F (5 degrees C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Contains no substances with occupational exposure limit values.

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Eye protection

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Wear resistant gloves such as:

Natural Rubber

Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Colour	white
Odour	sweet
Boiling point/boiling range	(>)212 °F / 100 °C
pH	5.0
Flash point	not applicable
Density	1.08 g/cm3

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

None known.

Incompatible products

Alkali metals, peroxides, strong alkalis, strong mineral acids, strong oxidizing agents

Hazardous decomposition products

acetic acid, acrolein, Aldehydes, carbon dioxide and carbon monoxide, various hydrocarbons

Hazardous reactions

Product will not undergo hazardous polymerization.

11. TOXICOLOGICAL INFORMATION**Acute oral toxicity**

Acute oral toxicity - : LD 50: > 2,000 mg/kg Species: Rat

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Product**Acute oral toxicity - Components**

ALCOHOLS, C11-14-ISO-, C13-RICH, ETHOXYLATED	: LD 50: 500 - 2,000 mg/kg Species: Rat	Remarks: Information given is based on data obtained from similar substances.
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VINYL ACETATE MONOMER	: LD 50: 2,920 mg/kg Species: Rat
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Acute inhalation toxicity

Acute inhalation toxicity - Product	: Remarks: Irritating to respiratory system.
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Acute inhalation toxicity - Components

VINYL ACETATE MONOMER	: LC 50: 3,680 mg/l Exposure time: 4 h Species: Rat
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Acute dermal toxicity

Acute dermal toxicity - Product	: no data available
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Acute dermal toxicity - Components

VINYL ACETATE MONOMER	: LD 50: 2,335 mg/kg Species: Rabbit
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Acute toxicity (other routes of administration)

Acute toxicity (other routes of administration)	: no data available
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12. ECOLOGICAL INFORMATION**Biodegradability**

Biodegradability - Product	: no data available
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Biodegradability - Components

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ALCOHOLS, C11-14- ISO-, C13-RICH, ETHOXYLATED	: > 60 %	Remarks: Readily biodegradable
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Bioaccumulation

Bioaccumulation - Product	: no data available
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Ecotoxicity effects**Toxicity to fish**

Toxicity to fish - Product	: no data available
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Toxicity to fish - Components

ALCOHOLS, C11-14- ISO-, C13-RICH, ETHOXYLATED	: LC 50: 1 - 10 mg/l Exposure time: 96 h Species: Leuciscus idus (Golden orfe) Remarks: Information given is based on data obtained from similar substances.
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VINYL ACETATE MONOMER	: LC 50: 14 mg/l Exposure time: 96 h Species: Fathead minnow (Pimephales promelas) Test Type: static test
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Toxicity to daphnia and other aquatic invertebrates

Toxicity to daphnia and other aquatic invertebrates - Product	: no data available
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Toxicity to daphnia and other aquatic invertebrates - Components

ALCOHOLS, C11-14- ISO-, C13-RICH, ETHOXYLATED	: EC 50: 1 - 10 mg/l Exposure time: 48 h Species: Aquatic invertebrates Remarks: Information given is based on data obtained from similar substances.
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VINYL ACETATE	: LC 50: 330 mg/l
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MONOMER

Exposure time: 24 h

Species: Water flea (*Daphnia magna*)

Test Type: static test

Toxicity to algae

Toxicity to algae - : no data available
Product

Toxicity to bacteria

Toxicity to bacteria - : no data available
Product

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Destroy by liquid incineration in accordance with applicable regulations. Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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U.S. DOT - ROAD

Not dangerous goods

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

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Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods

TRANSPORT CANADA - RAIL

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION**California Prop. 65**

WARNING! This product contains a chemical known to the State of California to cause cancer.

FORMALDEHYDE

SARA Hazard Classification**SARA 311/312 Classification**

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Acute Health Hazard
Chronic Health Hazard

SARA 313 Component(s)

VINYL ACETATE MONOMER	0.99 %
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Notification status

Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)
EU. EINECS	y (positive listing)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	n (Negative listing)
Japan. Kashin-Hou Law List	y (positive listing)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
US. Toxic Substances Control Act	y (positive listing)

Reportable quantity - Product

US. EPA CERCLA Hazardous Substances (40 CFR 302)	100100 lbs
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Reportable quantity-Components

FORMALDEHYDE	50-00-0	100 lbs
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	HMIS	NFPA
Health	1*	--
Flammability	0	--
Physical hazards	0	
Instability		--
Specific Hazard	--	--

16. OTHER INFORMATION

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The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).