



Safety Data Sheet AV Plate Cleaner

SECTION 1: Identification

1.1 Product identifier

Product name AV Plate Cleaner

Other name AV PW 20-200

1.3 Recommended use of the chemical and restrictions on use

Solvent ink cleaner

1.4 Supplier's details

Name Anderson & Vreeland
Address 15348 US Highway 127 EW
Bryan, OH 43506
USA

Telephone (419) 636-5002
email www.andersonvreeland.com

1.5 Emergency phone number(s)

ChemTel LLC
(800)255-3924 (North America)
+1 (813)248-0585 (International)

SECTION 2: Hazard identification

General hazard statement

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements

Pictogram



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Signal word

Warning

Hazard statement(s)

H319

Causes serious eye irritation

Precautionary statement(s)

P264

P280

P305+P351+P338

P337+P313

Wash ... thoroughly after handling.

Wear eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Component	Concentration
Diethylene glycol butyl ether (CAS no.: 112-34-5; EC no.: 203-961-6; Index no.: 603-096-00-8)	60 - 85 % (weight)
CLASSIFICATIONS: Serious eye damage/eye irritation, Cat. 2. HAZARDS: H319 - Causes serious eye irritation.	
Ethanol (CAS no.: 64-17-5; EC no.: 200-578-6; Index no.: 603-002-00-5)	5 - 20 % (weight)
CLASSIFICATIONS: Flammable liquids, Cat. 2. HAZARDS: H225 - Highly flammable liquid and vapor.	
Isopropanol (CAS no.: 67-63-0; EC no.: 414-810-0; Index no.: 607-403-00-6)	1 - 4 % (weight)
CLASSIFICATIONS: Flammable liquids, Cat. 2; Eye damage/irritation, Cat. 2A; Specific target organ toxicity (single exposure), Cat. 3. HAZARDS: H225 - Highly flammable liquid and vapor; H319 - Causes serious eye irritation; H335 - May cause respiratory irritation; H336 - May cause drowsiness or dizziness.	

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

In case of skin contact

Take off immediately all contaminated clothing. Wash with plenty of soap and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

In case of eye contact

Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention

Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

If swallowed

Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Ethanol: Carbon oxides

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Eliminate all sources of ignition. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash hands with soap and water after handling. Container explosion may occur under fire conditions. Use explosion-proof equipment. Use only non-sparking tools. Keep away from sources of ignition. No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)

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Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 112-34-5 (EC: 203-961-6)

Diethylene glycol butyl ether
ACGIH (USA): 10 ppm TLV®

CAS: 64-17-5

Ethyl alcohol (Ethanol)
ACGIH (USA): (ST) 1000 ppm TLV® inhalation; Cal/OSHA: 1000 ppm PEL inhalation; NIOSH: 1000 ppm REL inhalation; OSHA: 1000 ppm PEL inhalation

CAS: 67-63-0

Isopropyl alcohol
ACGIH (USA): 200 ppm, (ST) 400 ppm TLV® inhalation; Cal/OSHA: 400 ppm, (ST) 500 ppm PEL inhalation; NIOSH: 400 ppm, (ST) 500 ppm REL inhalation; OSHA: 400 ppm PEL inhalation

8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses. If splash hazard, wear faceshield (8-inch minimum). Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

Skin protection

Wear protective gloves, such as nitrile gloves.

Body protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Wear suitable protective clothing. If splash risk, ensure clothing is impervious and fire resistant.

Respiratory protection

Provide good ventilation. Respiratory protection is not required under normal use conditions.

Thermal hazards

No data available.

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Colorless/Liquid
Odor	Characteristic
Odor threshold	No data available.
pH	No data available.

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Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	<70 ° C
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	0.9120 g
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Contact with incompatible materials, strong oxidants and strong acids. Sources of ignition. Exposure to heat.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Strong oxidants and strong acids.

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Diethylene glycol butyl ether

LD50 Oral - Rat - male - 7,291 mg/kg

Remarks: (OECD Test Guideline 401)

LD50 Skin - Rabbit - male - 2,764 mg/kg

Remarks: (OECD Test Guideline 402)

ETHANOL

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LD50 Oral - Rat - 10,470 mg/kg
LD50 Skin - Rabbit - 15,800 mg/kg
LD50 Inhalation - Rat - 30,000 mg/l - 4 h

ISOPROPANOL

LD50 Oral - Rat - 5,045 mg/kg
Remarks: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Somnolence (general depressed activity).
LC50 Inhalation - Rat - 16000 ppm - 8 h
LD50 Skin - Rabbit - 12,800 mg/kg

Skin corrosion/irritation

Based on available data, classification data are not met

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

Based on available data, classification data are not met

Carcinogenicity

This is not carcinogenic.

Reproductive toxicity

Based on available data, classification data are not met

STOT-single exposure

Based on available data, classification data are not met

STOT-repeated exposure

Based on available data, classification data are not met

Aspiration hazard

Based on available data, classification data are not met

Additional information

Ethanol: Stomach - Irregularities - Based on Human Evidence

SECTION 12: Ecological information

Toxicity

Diethylene glycol butyl ether
LC50 - Lepomis macrochirus (bluegill) - 1,300 mg/l - 96 h
Remarks: (OECD Test Guideline 203)
EC50 - Daphnia magna (water flea) - >100 mg/l - 48 h
Remarks: (Directive 67/548/EEC, Annex V, C.2.)
LC50 - Pseudomonas putida - 1,170 mg/l - 16 h

ETHANOL

EC50 - Chlorella vulgaris (Fresh water algae) - 275 mg/l - 72 h
LC50 - Pimephales promelas (fathead minnow) - 14,200 mg/l - 96 h
LC50 - Ceriodaphnia dubia (water flea) - 5,012 mg/l - 48 h

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ISOPROPANOL

LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h

EC50 - Daphnia magna (water flea) - 5,102.00 mg/l - 24 h

EC50 - Daphnia magna (water flea) - 6,851 mg/l - 24 h

EC50 - Desmodemus subspicatus (chodat) - > 2,000.00 mg/l - 72 h

EC50 - Algae - > 1,000.00 mg/l - 24 h

Persistence and degradability

This product contains easy biodegradable substances.

Bioaccumulative potential

No data available on product

Mobility in soil

No data available on product.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available on product.

SECTION 13: Disposal considerations

Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SARA 313 Components

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The following components are subject to reporting levels established by SARA Title III, Section 313:

2-(2-Butoxyethoxy)ethanol

CAS-No. 112-34-5

Pennsylvania Right To Know Components

2-(2-Butoxyethoxy)ethanol

CAS-No. 112-34-5

New Jersey Right To Know Components

2-(2-Butoxyethoxy)ethanol

CAS-No. 112-34-5

New Jersey Right To Know Components

Common name: ETHYL ALCOHOL

CAS number: 64-17-5

Pennsylvania Right To Know Components

Chemical name: Ethanol

CAS number: 64-17-5

Massachusetts Right To Know Components

Chemical name: Ethanol

CAS number: 64-17-5

Massachusetts Right To Know Components

Isopropyl alcohol

CAS number: 67-63-0

New Jersey Right To Know Components

Isopropyl alcohol

CAS number: 67-63-0

Pennsylvania Right To Know Components

Isopropyl alcohol

CAS number: 67-63-0

HMIS Rating

Health 3

Flammability 2

Physical hazard 2

Personal protection

NFPA Rating

Health hazard 3

Fire hazard 2

Reactivity hazard 2

Special hazard

SECTION 16: Other information

16.1 Further information/disclaimer

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DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. Anderson & Vreeland does not carry any responsibility for the use of this product in any way.