



Safety Data Sheet

AV Power Wash Extra

SECTION 1: Identification

1.1 Product identifier

Product name AV Power Wash Extra

1.3 Recommended use of the chemical and restrictions on use

Ink Cleaner

1.4 Supplier's details

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

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. 1
- Skin corrosion/irritation, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

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Hazard statement(s)

H315 Causes skin irritation
 H318 Causes serious eye damage

Precautionary statement(s)

P264 Wash ... thoroughly after handling.
 P280 Wear eye protection/face protection/protective gloves.
 P302+P352 IF ON SKIN: Wash with plenty of water/...
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor/...
 P321 Specific treatment (see ... on this label).
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Component	Concentration
2-Butoxyethanol (CAS no.: 111-76-2; EC no.: 203-905-0; Index no.: 603-014-00-0) CLASSIFICATIONS: Skin corrosion/irritation, Cat. 2; Serious eye damage/eye irritation, Cat. 2; Acute toxicity, dermal, Cat. 4; Acute toxicity, inhalation, Cat. 4; Acute toxicity, oral, Cat. 4. HAZARDS: H302 - Harmful if swallowed; H312 - Harmful in contact with skin; H315 - Causes skin irritation; H319 - Causes serious eye irritation; H332 - Harmful if inhaled.	<20 % (weight)
Ethanolamine (CAS no.: 141-43-5; EC no.: 205-483-3; Index no.: 603-030-00-8) CLASSIFICATIONS: Acute toxicity, inhalation, Cat. 4; Acute toxicity, dermal, Cat. 4; Acute toxicity, oral, Cat. 4; Skin corrosion/irritation, Cat. 1B. HAZARDS: H302 - Harmful if swallowed; H312 - Harmful in contact with skin; H314 - Causes severe skin burns and eye damage; H332 - Harmful if inhaled.	<20 % (weight)
Triethanolamine (CAS no.: 102-71-6; EC no.: 203-049-8) CLASSIFICATIONS: No data available. HAZARDS: No data available.	<20 % (weight)

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled
 Remove to fresh air and promote deep breathing. Get medical attention if effects persist.

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

 Acute and delayed symptoms and effects: Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

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

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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

Do not induce vomiting because of danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs, keep head below hips, or if patient is lying down, turn body and head to side to prevent aspiration and monitor for breathing difficulty. Never give anything by mouth to an unconscious person. Keep affected person warm and at rest. GET IMMEDIATE MEDICAL ATTENTION.

Acute and delayed symptoms and effects: Aspiration hazard. May be fatal if swallowed and enters airways. 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

Carbon oxides, Nitrogen oxides (NO_x)

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

Wear personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

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

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7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. For precautions see section 2.

7.2 Conditions for safe storage, including any incompatibilities

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

Specific end use(s)

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: 102-71-6 (EC: 203-049-8)

Triethanolamine

ACGIH (USA): 5 mg/m³ TWA inhalation; Cal/OSHA (USA): 5 mg/m³ PEL inhalation

CAS: 111-76-2 (EC: 203-905-0)

2-Butoxyethanol

ACGIH (USA): 20 ppm TLV[®] inhalation; 20 ppm TWA inhalation; Cal/OSHA: 20 ppm PEL inhalation; NIOSH: 5 ppm REL inhalation; 5 ppm 24 mg/m³ TWA inhalation; OSHA: 50 ppm PEL inhalation; 50 ppm 240 mg/m³ TWA inhalation

CAS: 141-43-5

Ethanolamine

ACGIH: 6 ppm STEL inhalation; 3 ppm TLV[®] inhalation; Cal/OSHA: 3 ppm, (ST) 6 ppm PEL inhalation; NIOSH: 3 ppm, (ST) 6 ppm REL inhalation; OSHA: 6 mg/m³ 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 face shield (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. Ensure that eyewash stations and/or safety showers are close to the workstation location.

Skin protection

Wear protective gloves, such as nitrile gloves.

Body protection

Wear suitable protective clothing.

Respiratory protection

Not required under normal use conditions. If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator with organic vapor/acid gas cartridge and particulate filter, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

Thermal hazards

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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.)	Liquid
Odor	Solvent
Odor threshold	No data available.
pH	<13
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
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	1.06
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

No data available.

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 acids and oxidizing agents.

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)

Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Acute and delayed symptoms and effects from inhalation, skin and eye contact and ingestion are listed in Section 4.

2-Butoxyethanol

LD50 Oral - Rat - 880 mg/kg

Remarks: OECD Test Guideline 401

LD50 Skin - Rabbit - 1,060 mg/kg

Remarks: OECD Test Guideline 402

LD50 Intraperitoneal - Rat - 220 mg/kg

LD50 Intravenous - Rat - 307 mg/kg

Triethanolamine

LD50 Oral - Rabbit - 2,200 mg/kg

LD50 Skin - Rabbit - >22.5 g/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

May cause an allergic skin reaction

Germ cell mutagenicity

Based on available data, classification data are not met

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

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

May be harmful if swallowed and enters airways

Additional information

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Ethanolamine: *TOXICITY:

typ. dose mode specie amount unit other

LD50 orl rat 2050 mg/kg

LD50 ipr rat 67 mg/kg

LD50 ivn rat 225 mg/kg

LD50 orl rbt 1000 mg/kg

LD50 scu rat 1500 mg/kg

LD50 skn rbt 1000 mg/kg

LD50 ims rat 1750 mg/kg

LD50 orl mus 700 mg/kg

LD50 ipr mus 50 mg/kg

LD50 orl gpg 620 mg/kg

*AQTX/TLM96: Not available

*SAX TOXICITY EVALUATION:

THR: Poison by intraperitoneal route. Moderately toxic by ingestion, skin contact, subcutaneous, intravenous and intramuscular routes.

*CARCINOGENICITY: Not available

*MUTATION DATA:

test Lowest dose | test Lowest dose

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cyt-hmn-lym 100 umol/L |

*TERATOGENICITY:

Reproductive Effects Data:

TDLo: orl-rat 500 mg/kg (6-15D preg)

*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: Federal Register (1/19/89) and 29 CFR 1910.1000 Subpart Z

Transitional Limit: PEL-TWA 3 ppm [610]

Final Limit: PEL-TWA 3 ppm; STEL 6 ppm [610]

ACGIH: TLV-TWA 3 ppm; STEL 6 ppm [015,415,421,610]

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): 2

Flammability (F): 2

Reactivity (R): 0

H2: Materials hazardous to health, but areas may be entered freely with full-faced mask self-contained breathing apparatus which provides eye protection (see NFPA for details).

F2: Materials which must be moderately heated before ignition will occur (see NFPA for details).

R0: Materials which are normally stable even under fire exposure conditions and which are not reactive with water (see NFPA for details).

*OTHER TOXICITY DATA:

Skin and Eye Irritation Data:

skn-rbt 505 mg open MOD

eye-rbt 763 ug SEV

Standards and Regulations: DOT-Hazard: Corrosive material; Label: Corrosive

Status: EPA TSCA Chemical Inventory, 1986

EPA TSCA Test Submission (TSCATS) Data Base, January 1989

NIOSH Analytical Methods: see Aminoethanol compounds, 2007

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Meets criteria for proposed OSHA Medical Records Rule

SECTION 12: Ecological information

Toxicity

2-Butoxyethanol

LD50 Oral - Rat - 880 mg/kg

Remarks: OECD Test Guideline 401

LD50 Skin - Rabbit - 1,060 mg/kg

Remarks: OECD Test Guideline 402

LD50 Intraperitoneal - Rat - 220 mg/kg

LD50 Intravenous - Rat - 307 mg/kg

MONOETHANOLAMINE

LD50 Oral - Rat - 1,089 mg/kg

LD50 Skin - Rabbit - 1,015 mg/kg

Triethanolamine

LD50 Oral - Rabbit - 2,200 mg/kg

LD50 Skin - Rabbit - >22.5 g/kg

Persistence and degradability

MONOETHANOLAMINE

- 28 d

Result: > 70 % - Readily biodegradable

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

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IATA

Not dangerous goods

SECTION 15: Regulatory information

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

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA hazards.

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components

No components are subject to the New Jersey Right to Know Act.

Massachusetts Right To Know Components

Ethylene glycol monobutyl ether

CAS: 111-76-2

New Jersey Right To Know Components

Ethylene glycol monobutyl ether

CAS: 111-76-2

Pennsylvania Right To Know Components

Ethylene glycol monobutyl ether

CAS: 111-76-2

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.

New Jersey Right To Know Components

Common name: Ethanolamine

CAS number: 141-43-5

Pennsylvania Right To Know Components

Common name: Ethanolamine

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CAS number: 141-43-5

New Jersey Right To Know Components

Triethanolamine
CAS number: 102-71-6

Pennsylvania Right To Know Components

Triethanolamine
CAS number: 102-71-6

Massachusetts Right To Know Components

Triethanolamine
CAS number: 102-71-6

NFPA Rating

Health hazard	2
Fire hazard	2
Reactivity hazard	0
Special hazard	

SECTION 16: Other information

16.1 Further information/disclaimer

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 use of this product in any way. It is up to the user to test this product before using.