Safety Data Sheet

AV-284 Pump Wash™

SECTION 1. IDENTIFICATION

Product Identifier	AV-284 Pump Wash™
Other Means of Identification	Pump cleaner
Recommended Use	Industrial Use Only.
Restrictions on Use	None known.
Manufacturer/Supplier	Avanti International, 822 Bay Star Blvd, Webster, TX, 77598, USA, 281.486.5600,
Emergency Phone No.	ChemTrec 800.424.9300
Date of Preparation	April 17, 2018
Date of Last Revision	January 17, 2024

SECTION 2. HAZARD IDENTIFICATION

Classified according to the US Hazard Communication Standard (HCS 2012) and Canada's Hazardous Products Regulations (WHMIS 2015).

Classification: Skin irritation - Category 2; Eye irritation - Category 2; Specific target organ toxicity (single exposure) - Category 3

Label Elements

Hazard pictogram:

Signal word: Warning

Hazard statements:

Precautionary Statements

General:
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness

Prevention:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands and skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear eye protection/face protection.
P280 Wear protective gloves.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE or doctor if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice or attention.
P337 + P313 If eye irritation persists: Get medical advice or attention.

	P362 + P364	Take off contaminated clothing and wash it before reuse.
Storage:	P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
Disposal:	P501	Dispose of contents and container in accordance with local, regional, national, and international regulations.

Other Hazards

Other hazards: None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
DIMETHYL ADIPATE	627-93-0	10-25	Dimethyl Adipate
DIMETHYL SUCCINATE	106-65-0	15-25	Dimethyl Succinate
DIMETHYL GLUTARATE	1119-40-0	55-65	Dimethyl Glutarate

Occupational exposure limits, if available, are listed in section 8.

SECTION 4. FIRST AID MEASURES

First Aid Measures

General advice: Get medical advice or attention if you feel unwell or are concerned.v

Eye contact: Avoid direct contact. Wear chemical protective gloves if necessary. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open.

Skin contact: Avoid direct contact. Wear chemical protective clothing if necessary. Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes.

Inhalation: Move to fresh air.

Ingestion: Rinse mouth with water.

Most Important Symptoms and Effects, Acute and Delayed

Skin contact: If on skin: causes moderate to severe irritation.

Inhalation: If inhaled: can irritate the nose and throat. Symptoms may include headache, nausea, dizziness, drowsiness, and confusion

Immediate Medical Attention and Special Treatment

Target Organs Eyes, skin

Specific treatments Not applicable.

Medical Conditions Aggravated by Exposure None known.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable: Use water to keep non-leaking, fire-exposed containers cool.

Unsuitable: None known.

Specific Hazards Arising from the Product

Flammability classification: Can ignite if strongly heated. In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide

Special Protective Equipment and Precautions for Firefighters

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours. Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures
Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

Environmental precautions: It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Small spills: Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Contaminated absorbent poses the same hazard as the spilled product.

Large spills: Large spills or leaks: dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Store recovered product in suitable containers that are: covered.

Other Information
Contact supplier, local fire and emergency services for help. Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Avoid breathing in this product. Prevent skin contact. Do not get in your eyes. Avoid heating that will increase the amount of vapours. Wear personal protective equipment to avoid direct contact with this chemical. General hygiene considerations: wash hands thoroughly after handling this material. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Conditions for safe storage: Store in an area that is: cool, ventilated. Empty containers may contain hazardous residue. Store separately. Keep closed. Follow all precautions given on this safety data sheet.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Appropriate engineering controls: General ventilation is usually adequate. Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eyes/face protection: Wear chemical safety goggles and face shield when contact is possible.

Skin/hand/body protection: Wear chemical protective clothing e.g. gloves, aprons, boots.
Chemical Resistant Gloves: butyl rubber, neoprene rubber, nitrile rubber. Chemical Resistant Suit: Barrier® (PE/PA/PE), Saranex®, Tychem® SL.

Respiratory protection: Not usually required when working with small quantities. Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge. Either full-face piece or half-face piece with splash goggles.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colourless liquid.

Odor: Not available

Odor threshold:	Not applicable
pH:	Not available
Melting/freezing point:	Not available
Initial boiling point and boiling range:	412 ºF (211 ºC)
Flash point:	212 ºF (100 ºC)
Flash point method:	Not available
Evaporation rate:	0.076
Flammability (solid, gas):	Not available
Upper/lower flammability or explosive limits:	Not available (upper); 1% (lower)
Vapor pressure:	0.06 mm Hg (0.008 kPa) at 68 ºF (20 ºC)
Vapor density (air=1):	5.5
Relative density (water=1):	1.090
Solubility:	Not available in water; Not available (in other liquids)
Partition coefficient n-octanol/water:	Not available
Auto-ignition temperature:	748 ºF (398 ºC)
Decomposition temperature:	Not available
Viscosity:	Not available (kinematic); Not available (dynamic)

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Not reactive.
Chemical stability:	Normally stable.
Possibility of hazardous reactions:	None expected under normal conditions of storage and use.
Conditions to avoid:	None known.
Incompatible materials:	Strong oxidizing agents (e.g. perchloric acid). Not corrosive to metals.
Hazardous decomposition products:	Very toxic carbon monoxide, carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation; skin contact; ingestion; eye contact; skin absorption.

Potential Chronic Health Effects
Interactive effects: No information was located.

Acute Toxicity Data
LC50: No information was located.
LD50 (oral): No information was located.
LD50 (dermal): No information was located

Skin corrosion or irritation: Symptoms include slight redness and swelling. Human experience shows moderate or severe irritation.

Serious eye damage or irritation:	May cause serious eye irritation based on information for closely related materials.
Respiratory sensitization:	No information was located.
Skin sensitization:	No information was located.
Germ cell mutation:	No information was located
Carcinogenicity:	No information was located.
Reproductive toxicity:	Development of Offspring: No information was located. Sexual Function and Fertility: No information was located. Effects on or via Lactation: No information was located.
Aspiration hazard:	No information was located.

Specific Target Organ Toxicity

Single exposure:	Inhalation: May cause severe nose and throat irritation, depression of the central nervous system. Symptoms may include headache, nausea, dizziness, drowsiness, and confusion. Skin Absorption: May cause Symptoms may include redness, rash, swelling and itching. Ingestion: May cause depression of the central nervous system. Symptoms may include headache, nausea, dizziness, drowsiness, and confusion. Irritation of the mouth, throat and stomach, a laxative effect. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.
Repeated exposure:	May cause effects like STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity Data
No information was located.

Persistence and degradability:	No information was located.
Bioaccumulative potential:	No information was located.
Mobility in soil:	No information was located.
Other adverse effects:	There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods:	The preferred waste management options are: treat waste in an approved waste disposal facility.

Consult your local or regional authorities.
Refer to section 7 for handling precautions and to section 8 for information on personal protective equipment.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information
Not regulated under US DOT Regulations. Not regulated under Canadian TDG regulations.

Environmental Hazards Not applicable.

Special Precautions Not applicable.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

Other Information

SECTION 15. REGULATORY INFORMATION

United States
TSCA 8(B) inventory: All ingredients are listed on the TSCA Inventory.

Canada
CEPA DSL: All ingredients are listed on the DSL/NDSL.

SECTION 16. OTHER INFORMATION

NFPA Rating:	Health - 2	Flammability - 1	Instability - 0
SDS Prepared By:	Avanti International		
Date of Preparation:	April 17, 2018		
Date of Last Revision:	January 17, 2024		
Revision Indicators:	Not applicable		

Key to Abbreviations:

ACGIH®	American Conference of Governmental Industrial Hygienists
IARC	International Agency for Research on Cancer
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	US Occupational Safety and Health Administration
RTECS®	Registry of Toxic Effects of Chemical Substances

References: CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. NIOSH Pocket Guide database. Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA (“BIOVIA”).