

MATERIAL SAFETY DATA SHEET
Essentially Similar to U.S. Department of Labor Form OSHA
Revised 09/10/2014

SECTION I-Product Information

Manufacturer: A.V.W. Inc. d.b.a. Max Pro
24 Hour Emergency Phone Number: 800-424-9300
Product Name: Pro Stick 65 Multi-Purpose Spray Adhesive MS-005-016
Chemical Name; Organic Mixture
Product Use: Mist Spray Adhesive

SECTION 2-Hazardous Identification

Physical hazards: Flammable aerosols Category 1
Health hazards: Acute toxicity, oral Category 2
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Specific target organ toxicity, single exposure Category 3 narcotic effects
Specific target organ toxicity, repeated Category 1 exposure

OSHA defined hazards Not classified
Label Elements: Flammable, Health Hazard



Signal word Danger

Hazard statement Extremely flammable aerosol. Fatal if swallowed. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure.

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment. Rinse mouth. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) Not classified.

Environmental hazards

Hazardous to the aquatic environment, Category 3 long-term hazard

Supplemental information

Prevention Avoid release to the environment.(HNOC)
Hazardous to the aquatic environment, acute Category 2 hazard

Environmental hazards

Hazardous to the aquatic environment, Category 3 long-term hazard

Supplemental information

Prevention Avoid release to the environment

Section 3- Composition/information on ingredients

Mixtures

Hazardous components

Chemical name Common name and synonyms CAS number %

Chemical name	CAS #	Percentage
Acetone	67-64-1	50%
Hexane	110-54-3	14%
Propane	74-98-6	19%
Dimethyl Ether	115-10-6	12%
Cyclohexane	110-82-7	5%

Section 4- First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact Remove contaminated clothing. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Most important symptoms/effects, acute and delayed

Irritation of eyes and mucous membranes. Prolonged exposure may cause chronic effects. May cause drowsiness or dizziness.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. Wash contaminated clothing before reuse.

Section 5 Fire-Fighting measures

Suitable extinguishing media Alcohol resistant foam. Water. Dry powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

None known.

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Fire-fighting equipment/instructions

Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.

Section 6- Accidental release measures

Personal precautions, protective equipment and

emergency procedures

Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles away from spilled material. Stop leak if you can do so without risk.

Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage, collect entry into waterways, sewer, basements or confined areas.

For waste disposal, see section 13 of the MSDS.

Environmental precautions Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Section 7- Handling and storage

Precautions for safe handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Do not taste or swallow. Avoid contact with skin. Avoid contact with eyes. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Use only in well-ventilated areas. Use personal protective equipment as required. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the MSDS). Level 3 Aerosol.

Section 8- Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components Type Value

Acetone (CAS 67-64-1) PEL 2400 mg/m³

1000 ppm

Hexane PEL 1800 mg/m³

(CAS 110-54-3)

500 ppm

Propane (CAS 74-98-6) PEL 1800 mg/m³

1000 ppm

US. ACGIH Threshold Limit Values

Components Type Value

TWA 500 ppm

Acetone (CAS 67-64-1) STEL 750 ppm

TWA 500 ppm

Hexane TWA 50 ppm

(CAS 110-54-3)

US. NIOSH: Pocket Guide to Chemical Hazards

Components Type Value

Acetone (CAS 67-64-1) TWA 590 mg/m³

250 ppm

Hexane TWA 180 mg/m³

(CAS 110-54-3)

50 ppm

Propane (CAS 74-98-6) TWA 1800 mg/m³

1000 ppm

US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

Components Type Value

Dimethyl Ether (CAS TWA 1880 mg/m³

115-10-6)

1000 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components Value Determinant Specimen Sampling Time

Acetone (CAS 67-64-1) 50 mg/l Acetone Urine *

0.4 mg/l 2,5-Hexanedio

n, without

hydrolysis

Hexane Urine *

(CAS 110-54-3)

* - For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

Hexane (CAS 110-54-3) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Hexane (CAS 110-54-3) Can be absorbed through the skin.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear eye/face protection. Wear safety glasses with side shields (or goggles).

Hand protection Wear protective gloves.

Other Wear appropriate chemical resistant clothing.

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene

considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9- Physical and chemical properties

Appearance

Color Pink

Form Aerosol.

Physical state Gas.

Flash point -156.00 °F (-104.44 °C) Propellant estimated

Melting point/freezing point Not available.

Odor Not available.

pH Not available.

Solubility(ies) Not available.

Vapor pressure 51.04 psig @70F estimated

Viscosity Not available.

Other information

Specific gravity 0.706 estimated

Section 10- Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

Conditions to avoid Avoid temperatures exceeding -156°F.

Hazardous decomposition

products

No hazardous decomposition products are known.

Section 11- Toxicological information

Information on likely routes of exposure

Ingestion Fatal if swallowed.

Inhalation Prolonged inhalation may be harmful. Narcotic effects. May cause damage to organs by inhalation.

Skin contact Causes skin irritation.

Eye contact Causes serious eye irritation.

Symptoms related to the

physical, chemical and toxicological characteristics

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritant effects.

Information on toxicological effects

Acute toxicity Fatal if swallowed. Narcotic effects.

Product Species Test Results

Mist ADH (CAS Mixture)

LD50 Rabbit

Dermal

Acute

77585.5391 mg/kg, estimated

77.5855 ml/kg, estimated

Rat 16559.7031 mg/kg, estimated

LC50 Mouse

Inhalation

4160.8589 mg/l, 15 Minutes, estimated

3248.3252 mg/l, 30 Minutes, estimated

Rat 7985.1187 mg/l, 15 Minutes, estimated

2596.5391 mg/l, 4 Hours, estimated

1505.6975 mg/l/4h, estimated

194.3518 mg/l, 8 Hours, estimated

LD50 Mouse

Oral

11637.8311 mg/kg, estimated

Rabbit 20715.3379 mg/kg, estimated

Rat 131.7234 mg/kg, estimated

Wistar rat 270.5203 mg/kg, estimated

LD50 Mouse

Other

5031.4224 mg/kg, estimated

2317.2 ml/kg, estimated

Rat 11276.4131 mg/kg, estimated

Components Species Test Results

Acetone (CAS 67-64-1)

LD50 Rabbit

Dermal

Acute

20000 mg/kg

20 ml/kg

LC50 Rat

Inhalation

76 mg/l, 4 Hours

50.1 mg/l, 8 Hours

LD50 Mouse

Oral

3000 mg/kg

Rabbit 5340 mg/kg

Rat 5800 mg/kg

LD50 Mouse

Other

1297 mg/kg

Rat 5500 mg/kg

Hexane (CAS 110-54-3)

LC50 Mouse

Inhalation

Acute

48000 mg/l, 4 Hours

LD50 Rat

Oral

24 mg/kg

Wistar rat 49 mg/kg

Dimethyl Ether (CAS 115-10-6)

LC50 Mouse

Inhalation

Acute

494.36 mg/l, 15 Minutes

385.94 mg/l, 30 Minutes

Rat 308.5 mg/l, 4 Hours

Components Species Test Results

Propane (CAS 74-98-6)

LC50 Rat

Inhalation

Acute

> 1442.847 mg/l, 15 Minutes

658 mg/l/4h

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity Not available.

Carcinogenicity Not available.

Reproductive toxicity Not available.

Specific target organ toxicity -

single exposure

Narcotic effects.

Specific target organ toxicity -

repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard Not likely, due to the form of the product.

Chronic effects Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. Causes damage to organs through prolonged or repeated exposure.

Section 12- Ecological information

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

Product Species Test Results

WEB ADH (CAS Mixture)

Crustacea EC50 Daphnia 593.0923 mg/L, 48 Hours, estimated

Fish LC50 Fish 22.835 mg/l, 96 hours, estimated

Components Species Test Results

Acetone (CAS 67-64-1)

Aquatic

Crustacea EC50 Water flea (Daphnia magna) 21.6 - 23.9 mg/l, 48 hours

Fish LC50 Rainbow trout, donaldson trout 4740 - 6330 mg/l, 96 hours

(Oncorhynchus mykiss)

* Estimates for product may be based on additional component data not shown.

Hexane (CAS 110-54-3)

Aquatic

Fish LC50 Fathead minnow (Pimephales promelas) 2.101 - 2.981 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Partition coefficient n-octanol / water (log Kow)

Dimethyl Ether 0.1

Acetone -0.24

Propane 2.36

Hexane 3.9

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

VOC Content Category: Mist Spray Adhesive • VOC content is less than 65% by weight.

Section 13-Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

US RCRA Hazardous Waste U List: Reference

Acetone (CAS 67-64-1) U002

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

Section 14- Transport information

DOT

UN number UN1950

UN proper shipping name Aerosols, flammable

Transport hazard class(es) 2.1

Subsidiary class(es) Not available.

Packing group Not available.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Labels required None

Special provisions N82

Packaging exceptions 306

Packaging non bulk None

Packaging bulk None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2013, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/13 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA

UN number UN1950

UN proper shipping name Aerosols, flammable

Transport hazard class(es) 2.1

Subsidiary class(es) -

Packaging group Not available.

Environmental hazards No

Labels required 2.1

ERG Code Not available.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Packaging Exceptions LTD QTY

IMDG

UN number UN1950

UN proper shipping name AEROSOLS

Transport hazard class(es) 2.1

Subsidiary class(es) -

Packaging group Not available.

Marine pollutant No

Environmental hazards

Labels required None

EmS Not available.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Packaging Exceptions LTD QTY

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

DOT

IATA; IMDG

Section 15- Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Acetone (CAS 67-64-1) LISTED

Hexane (CAS 110-54-3) LISTED

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 304 Emergency release notification

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - Yes

Pressure Hazard - Yes

Reactivity Hazard - No

SARA 302 Extremely hazardous substance

No

SARA 311/312 Hazardous chemical

No

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Hexane (CAS 110-54-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Dimethyl Ether (CAS 115-10-6)

Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA)

Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Acetone (CAS 67-64-1) 6532

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (CAS 67-64-1) 35 % weight/volumen

DEA Exempt Chemical Mixtures Code Number

Acetone (CAS 67-64-1) 6532

Food and Drug

Administration (FDA)

Not regulated.

US state regulations

US. New Jersey Worker and Community Right-to-Know Act

Hexane (CAS 110-54-3) 500 lbs

Dimethyl Ether (CAS 115-10-6) 500 lbs

Propane (CAS 74-98-6) 500 lbs

US. Pennsylvania RTK - Hazardous Substances

Acetone (CAS 67-64-1)

Hexane (CAS 110-54-3)

Dimethyl Ether (CAS 115-10-6)

Propane (CAS 74-98-6)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

International Inventories

Country(s) or region Inventory name On inventory (yes/no)*

Australia Australian Inventory of Chemical Substances (AICS) No

Canada Domestic Substances List (DSL) No

Canada Non-Domestic Substances List (NDSL) No

China Inventory of Existing Chemical Substances in China (IECSC) No

Europe European Inventory of Existing Commercial Chemical Substances (EINECS) No

Europe European List of Notified Chemical Substances (ELINCS) No

Japan Inventory of Existing and New Chemical Substances (ENCS) No

Korea Existing Chemicals List (ECL) No

New Zealand New Zealand Inventory No

Philippines Philippine Inventory of Chemicals and Chemical Substances No (PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16- Other information, including date of preparation or last revision

Issue date 09-10-2014

Version # 01

Further information Not available.

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text