

SAFETY DATA SHEET

1. Identification

Product identifier Premera AET7 LF

Other means of identification None.

Recommended use Very thin layered adhesion promoter, Refer to the Product Technical Data Sheet.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Supplier

Company name Nukote Coating Systems International

Address 4730 Consulate Plaza Dr.
Suite 100
Houston, TX. 77032

Telephone 832-770-7100

Email SDS@nukoteglobal.com

Emergency Phone Number Chemtrec: 800-424-9300 (Account: CCN16118) or International: 703-527 3887 (Account: CCN16118)

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement Harmful if swallowed Harmful in contact with skin. Causes severe eye damage. Highly flammable liquid and vapor.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection

Response

Principal routes of exposure: Eye contact, Skin contact, Inhalation, Ingestion.

Skin: Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.

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. If eye irritation persists: Get medical advice/attention.

In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam to extinguish

Storage Store in a well-ventilated place. Keep cool.

Disposal Dispose of contents/container to an approved waste disposal plant.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Polymer A-1	Proprietary	3-7
Polymer A-2	Proprietary	1-4
Ethyl Alcohol	64-17-5	2-7
Propylene glycol methyl ether acetate	108-65-6	83-93
2-Methoxypropyl-1-Acetate	70657-70-4	< 4
Polymer A-3	Proprietary	2-5

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation	Move to fresh air. Treat symptomatically. If symptoms persist, call a physician
Skin contact	Wash off with soap and water. If symptoms persist, call a physician.
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	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and, and blurred vision.
Notes to Physician	Treat Symptomatically

5. Fire-fighting measures

Suitable extinguishing media	Dry chemical, water spray or Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire. Do NOT use water jet.
Specific hazards during fire fighting	None known.
Hazardous combustion products	No hazardous combustion products are known.
Special firefighting procedures	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13)

Environmental precautions

Avoid release to the environment

7. Handling and storage

Precautions for safe handling

Provide good ventilation or extraction. Avoid prolonged or repeated breathing of vapor. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks, flames and other sources of ignition. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Avoid storage over 80° F, contamination with incompatible materials. Keep containers tightly closed in a cool, well ventilated place. Protect from moisture. Avoid all sources of ignition. Residual vapors might explode on ignition. Do not apply heat, cut, drill, and grind or weld on or near this container. Keep container closed when not in use.
. (see Section 10 of the SDS).

Advice on protection against fire and explosion

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Ethyl Alcohol		1000 ppm
Propylene glycol methyl ether acetate		50 ppm

Eye/face protection

Do not wear contact lenses. Chemical safety goggles or splash shields are recommended.

Skin protection

Avoid skin contact. Wear butyl-rubber gloves and impervious protective clothing.

Ventilation system

Positive fresh air exhaust should be provided in the work area. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use.

Precautions to be taken in use

Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

9. Physical and chemical properties

Appearance

Physical state	Clear to amber, slightly milky liquid
Form	Liquid.
Color	Clear to amber.

Odor Sweet.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range	Not available.
Flash point	114 °F
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	8.3-8.7 lb/gal (77 °F (25 °C))
Solubility(ies)	
Solubility (water)	Insoluble.
Auto-ignition temperature	669 °F
Decomposition temperature	Not available.
Viscosity	Not available

10. Stability and reactivity

Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	May occur
Conditions to avoid	Exposure to elevated temperatures can cause product to decompose.
Incompatible materials	Oxidizers, alkalis, acids, aliphatic amines, nitrates, water
Hazardous decomposition products	Oxides of carbon and nitrogen.

11. Toxicological information

Ingredient	Target Organs	IARC CATEGORY
Polymer A-1	IRR, LIV, KID	NO
Polymer A-2	IRR, LIV, KID	NO
Ethyl Alcohol	HEART, IRR, LIV, KID	NO
Propylene glycol methyl ether acetate	IRR	NO
Polymer A-3	NONE	NO

ABBREVIATIONS:

IRR = Irritant
LIV = Liver
KID = Kidney

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Remarks: None.
Acute inhalation toxicity	:	Remarks: No significant adverse effects were reported
Acute dermal toxicity	:	Remarks: No significant adverse effects were reported

Ingredients:

Ethyl Alcohol

Acute Oral Toxicity : Oral LD 50 (rabbit) 2000 mg/kg

Acute dermal toxicity : Dermal LD 50 (rabbit) 20,000 mg/kg

Propylene Glycol Methyl Ester Acetate:

Acute oral toxicity : LD50 Oral (Rat): 6,190 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4345 ppm
Exposure time: 6 h

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg

Propylene Glycol Methyl Ester Acetate:

Acute oral toxicity : LD50 Oral (Rat): 6,190 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4345 ppm
Exposure time: 6 h

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Ingredients:**Propylene Glycol Methyl Ester Acetate:**

Species: Rabbit
Exposure time: 4 h
Result: none

Species: Rabbit
Exposure time: 24 h
Result: none

Propylene Glycol Methyl Ester Acetate:

Species: Rabbit
Exposure time: 4 h
Result: none

Species: Rabbit
Exposure time: 24 h
Result: none

Serious eye damage/eye irritation

Not classified based on available information.

Ingredients:**Propylene Glycol Methyl Ester Acetate:**

Species: Rabbit
Result: very slight

Propylene Glycol Methyl Ester Acetate:

Species: Rabbit
Result: very slight

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.
Respiratory sensitization: Not classified based on available information.

Ingredients:**Propylene Glycol Methyl Ester Acetate:**

Test Type: Skin sensitization
Species: Guinea pig

Result: non-sensitizing

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Test Type: Skin sensitization

Species: Guinea pig

Result: non-sensitizing

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Product:

Reproductive toxicity Assessment : No toxicity to reproduction

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration toxicity classification

Further information

Product:

Remarks: None known

12. Ecological information

Ecotoxicity

Ingredients:

Propylene Glycol Methyl Ester Acetate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 161 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia): 408 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): > 1,000 mg/l
Exposure time: 96 h
Test Type: Growth inhibition

NOEC (Selenastrum capricornutum (green algae)): >= 1,000 mg/l
Exposure time: 96 h
Test Type: Growth inhibition

Toxicity to fish (Chronic toxicity) : LC50 (Oryzias latipes): 63.5 mg/l
Exposure time: 14 d

NOEC (Oryzias latipes): 47.5 mg/l
Exposure time: 14 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (daphnid): >= 100 mg/l
Exposure time: 21 d

EC50 (daphnid): > 100 mg/l
Exposure time: 21 d

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Exposure time: 21 d

Persistence and degradability

Ingredients:

Propylene Glycol Methyl Ester Acetate:

Biodegradability : Concentration: 76.4 mg/l
Result: Readily biodegradable.
Biodegradation: 90 %
Exposure time: 28 d
Method: Ready Biodegradability: CO2 Evolution Test

Biochemical Oxygen demand (BOD) : 363 mg/g
Incubation time: 5 d

1,050 mg/g
Incubation time: 20 d

ThOD : 76.4 mg/l

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Biodegradability : Concentration: 76.4 mg/l
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Biodegradation: 90 %
Exposure time: 28 d
Method: Ready Biodegradability: CO2 Evolution Test

Biochemical Oxygen Demand (BOD) : 363 mg/g
Incubation time: 5 d

1,050 mg/g
Incubation time: 20 d

ThOD : 76.4 mg/l

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport information

DOT and IATA Hazard Classification: Class 3 PG III Flammable Liquid

Proper DOT Shipping Name: Coatings Solution

Identification Number: DOT – UN 1139 IATA – UN 1139

15. Regulatory information

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS number

64-17-5

108-65-6

70657-70-4

Chemical Compound

Ethyl Alcohol

Propylene Glycol Methyl Ester Acetate

2-Methoxypropyl-1-Acetate

CALIFORNIA PROPOSITION 65

This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm

16. Other information, including date of preparation or last revision

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

IMPORTANT

LIABILITY DISCLAIMER

The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct as it was obtained from sources we believe are reliable. However, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his sole discretion. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe work place, to examine all aspects of its operation and to determine if or where precautions, in addition to those described herein, are required.