



Safety Data Sheet

GAF PMMA Cleaner

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GAF PMMA Cleaner
Product Use Description : Solvent

Manufacturer or supplier's details

Company : GAF Materials Corporation
Address 1 Campus Drive
Parsippany NJ 07954 877-
GAF-ROOF

24 Hour Emergency telephone number:
800-424-9300 (ChemTrec)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 2
Eye irritation : Category 2A
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

GHS Label Element

Hazard pictograms :  

Signal word : Danger

Hazard statements : Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause drowsiness or dizziness.



Safety Data Sheet

PMMA Cleaner

Precautionary statements : **Prevention:**
 Keep away from heat, hot surfaces, sparks, open, flames and other ignition sources. No smoking.
 Keep container tightly closed.
 Ground/bond container and receiving equipment.
 Use explosion-proof equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
 Wash skin thoroughly after handling.
 Wear protective gloves/ eye protection/ face protection.

Response:
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].

Potential Health Effects

Carcinogenicity:

- IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- OSHA** No component 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 component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Emergency Overview

Appearance	liquid
Color	clear, colorless
Odor	sweet, ester-like, fruit-like odor
Hazard Summary	No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

CAS-No.	Chemical Name	Concentration (%)
141-78-6	Ethyl acetate	90 - 100

Safety Data Sheet

PMMA Cleaner

SECTION 4. FIRST AID MEASURES

General advice	: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	: Consult a physician after significant exposure. If unconscious place in recovery position and seek medical advice.
In case of skin contact	: If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	: Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Alcohol-resistant foam Carbon dioxide (CO ₂) Dry chemical
Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: Do not allow run-off from firefighting to enter drains or water courses.
Hazardous combustion products	: No hazardous combustion products are known
Specific extinguishing methods	: Use a water spray to cool fully closed containers.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.



Safety Data Sheet

PMMA Cleaner

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

NFPA Flammable and Combustible Liquids Classification:
Flammable Liquid Class IB

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
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.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapors/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Container may be opened only under exhaust ventilation hood.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.



Safety Data Sheet

PMMA Cleaner

Conditions for safe storage : No smoking.
 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.
 Observe label precautions.
 Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
141-78-6	Ethyl acetate	TWA	400 ppm	ACGIH
		TWA	400 ppm 1,400 mg/m ³	NIOSH REL
		TWA	400 ppm 1,400 mg/m ³	OSHA Z-1
		TWA	400 ppm 1,400 mg/m ³	OSHA P0

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

In the case of vapor formation use a respirator with an approved filter.

Hand protection
Remarks

: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection

: Eye wash bottle with pure water
 Tightly fitting safety goggles
 Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection

: impervious clothing
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

: When using do not eat or drink.
 When using do not smoke.
 Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Color	: clear, colorless
Odor	: sweet, ester-like, fruit-like odor
Odor Threshold	: 3.9 ppm
pH	: No data available
Freezing Point (Melting point/range)	: -84 °C (-119 °F)
Boiling Point (Boiling point/boiling range)	: 76.5 - 77.5 °C (169.7 - 171.5 °F)
Flash point	: -3 °C (27 °F)
Evaporation rate	: 4.1 n-Butyl Acetate
Flammability (solid, gas)	: No data available
Burning rate	: No data available
Upper explosion limit	: 11.5 %(V)
Lower explosion limit	: 2.2 %(V)
Vapor pressure	: 73 mmHg @ 20 °C (68 °F)
Relative vapor density	: 3
Relative density	: 0.902 @ 20 °C (68 °F)
Density	: Approximate 0.902 g/ml @ 25 °C (77 °F)
VOC	: 900 g/L
Solubility(ies)	
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: log Pow: 0.73
Auto-ignition temperature	: 427 °C
Thermal decomposition	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Vapors may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

141-78-6:

Acute oral toxicity	: LD50 (rat): 5,620 mg/kg
Acute inhalation toxicity	: LD L0 (rat, male and female): > 22.5 mg/l Exposure time: 6 h Test atmosphere: vapor Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects. Remarks: Not classified
Acute dermal toxicity	: LD50 (rabbit): > 20,000 mg/kg

Skin corrosion/irritation

Components:

141-78-6:

Species: rabbit
Result: Mild skin irritation

Serious eye damage/eye irritation

Product:

Remarks: Contact with eyes may cause irritation.

Components:

141-78-6:

Species: rabbit
Result: Irritating to eyes.



Safety Data Sheet

PMMA Cleaner

Respiratory or skin sensitization

Components:

141-78-6:

Species: guinea pig

Result: Did not cause sensitization on laboratory animals.

Germ cell mutagenicity

Components:

141-78-6:

Genotoxicity in vitro

: Test Type: Ames test
Test species: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: No data available

: Test Type: Chromosome aberration test in vitro
Test species: Chinese hamster ovary (CHO)
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
GLP: No data available

Genotoxicity in vivo

: Test Type: In vivo micronucleus test
Test species: Chinese hamster (male and female)
Application Route: Oral
Dose: 2500 mg/kg bw
Method: OECD Test Guideline 474
Result: negative
GLP: No data available

Germ cell mutagenicity-
Assessment

: Animal testing did not show any mutagenic effects.

Carcinogenicity

Components:

141-78-6:

Species: mouse, (male and female)

Application Route: Intraperitoneal injection

Exposure time: 8 wk

Dose: 150 and 750 mg/kg bw/injection

Frequency of Treatment: 3 days/week

Result: did not display carcinogenic properties

Carcinogenicity - Assessment

: Animal testing did not show any carcinogenic effects.

Safety Data Sheet

PMMA Cleaner

Reproductive toxicity

Components:

141-78-6:

Effects on fertility

: Test Type: Two-generation study
Species: mouse, male and female
Application Route: Oral
Dose: 5, 10 and 15% v/v in water
General Toxicity - Parent: NOAEL: 15 % diet
General Toxicity F1: NOAEL: 10 % diet
Symptoms: reduced litter size
Method: OECD Test Guideline 416
GLP: No data available
Remarks: Information given is based on data obtained from similar substances.

Species: rat, male
Application Route: Inhalation
Dose: 350, 750, 1500 ppm
Duration of Single Treatment: 6 h
Frequency of Treatment: 5 days/week
General Toxicity - Parent: NOAEL: 1,500 ppm
Result: Animal testing did not show any effects on fertility.
GLP: yes

Effects on foetal development

: Species: rat
Application Route: Inhalation
Dose: 10,000, 16,000 or 20,000 ppm
General Toxicity Maternal: NOAEL: 16,000 ppm
Teratogenicity: NOAEL: > 20,000 ppm
Symptoms: No malformations were observed.

Method: OECD Test Guideline 414
GLP: No data available
Remarks: Information given is based on data obtained from similar substances.

Reproductive toxicity - Assessment

: No toxicity to reproduction
Animal testing did not show any effects on foetal development.

STOT - single exposure

Product: No data available



Safety Data Sheet

PMMA Cleaner

Components:

141-78-6:

Exposure routes:	Target Organs:	Assessment:	Remarks:
Inhalation	Central nervous system	May cause drowsiness or dizziness., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.	

STOT - repeated exposure

Product: No data available

Components:

141-78-6: No data available

Repeated dose toxicity

Components:

141-78-6:

Species: rat, male and female
 NOAEL: 900 mg/kg
 LOAEL: 3,600 mg/kg
 Application Route: Oral
 Exposure time: 90-92 d
 Number of exposures: daily
 Dose: 0, 300, 900 and 3600 mg/kg bw
 GLP: yes

Species: rat, male and female
 NOAEL: 350 ppm
 Application Route: Inhalation
 Exposure time: 94 d
 Number of exposures: 6 h/d, 5 d/wk

Dose: 0, 350, 750, 1500 ppm
 Symptoms: Local irritation

Aspiration toxicity

Product:

No aspiration toxicity classification

Components:

141-78-6:

No aspiration toxicity classification

Safety Data Sheet

PMMA Cleaner

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

141-78-6:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 220 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 2,300 mg/l
Exposure time: 24 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 4,300 mg/l
Exposure time: 24 h

Persistence and degradability

Components:

141-78-6:

Biodegradability : anaerobic
Inoculum: activated sludge
Result: Readily biodegradable.

Bioaccumulative potential

Components:

141-78-6:

Partition coefficient: n-octanol/water : log Pow: 0.68 (25 °C)
pH: 7

Mobility in soil

No data available

Other adverse effects

No data available



Safety Data Sheet

PMMA Cleaner

Product:

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).
Additional ecological information	: No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	: Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

IATA (International Air Transport Association): UN1173, ETHYL ACETATE, 3, II, Flash Point:-3 °C(27 °F)

IMDG (International Maritime Dangerous Goods): UN1173, ETHYL ACETATE, 3, II

DOT (Department of Transportation): UN1173, ETHYL ACETATE, 3, II

SECTION 15. REGULATORY INFORMATION

OSHA Hazards	: Flammable liquid, Moderate eye irritant
WHMIS Classification	: B2: Flammable liquid D2B: Toxic Material Causing Other Toxic Effects



Safety Data Sheet

PMMA Cleaner

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Ethyl acetate	141-78-6	5000	5000

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard

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

SARA 313 : SARA 313: 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.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

141-78-6	Ethyl acetate	100 %
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Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean-Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

141-78-6	Ethyl acetate	90 - 100 %
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Pennsylvania Right To Know

141-78-6	Ethyl acetate	90 - 100 %
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New Jersey Right To Know

141-78-6	Ethyl acetate	90 - 100 %
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Safety Data Sheet

PMMA Cleaner

California Prop 65

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

The components of this product are reported in the following inventories:

1907/2006 (EU)	:	n (Negative listing) (Not in compliance with the inventory)
Switzerland. New notified substances and declared preparations	:	y (positive listing) (The formulation contains substances listed on the Swiss Inventory)
United States TSCA Inventory	:	y (positive listing) (On TSCA Inventory)
Canadian Domestic Substances List (DSL)	:	y (positive listing) (All components of this product are on the Canadian DSL.)
Australia Inventory of Chemical Substances (AICS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
New Zealand. Inventory of Chemical Substances	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Japan. ENCS - Existing and New Chemical Substances Inventory	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Japan. ISHL - Inventory of Chemical Substances (METI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
Korea. Korean Existing Chemicals Inventory (KECI)	:	y (positive listing) (On the inventory, or in compliance with the inventory)



Safety Data Sheet

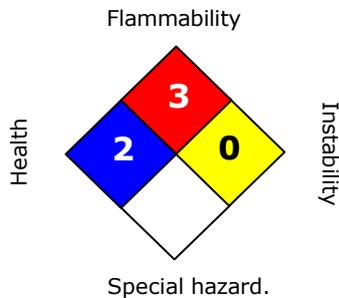
PMMA Cleaner

Philippines Inventory of Chemicals and Chemical Substances (PICCS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
China. Inventory of Existing Chemical Substances in China (IECSC)	:	y (positive listing) (On the inventory, or in compliance with the inventory)

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	2*
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High 4 = Extreme, *
= Chronic

ADDITIONAL COMMENTS:

N/A

DATE OF PREVIOUS SDS:

10/17/2022

CHANGES SINCE PREVIOUS SDS:

Updates to Section 1 and 2.

This information relates to the specific material designated and may not be valid for such material used on combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.