



SAFETY DATA SHEET

Issue Date 28-Jun-2019

Revision Date 22-Feb-2021

Version 1

Product identifier

Product Name Laurenco PMMA Universal Primer

Other means of identification

Product Code X0039
UN/ID no. UN 1866
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Primer for multiple substrates
Uses advised against Do not apply over substrate where ponded water is present, Dry surface prior to application.

Details of the supplier of the safety data sheet

Manufacturer Address FBC Chemical Corp.
P.O. Box 599
634 Route 228
Mars, Pennsylvania 16046
(724) 625-3116

Emergency telephone number

Emergency Telephone For Hazardous Materials [or Dangerous Goods] Incident , Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 USA and Canada: +1 703-527-3887

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3
Carcinogenicity	Category 2
Flammable liquids	Category 2
Environmental hazards – Acute hazards to aquatic environment	Category 3

Label elements

Emergency Overview

Danger

Hazard statements
Causes skin irritation

Causes serious eye irritation
May cause an allergic skin reaction
May cause respiratory irritation. May cause drowsiness or dizziness
Suspected of causing cancer
Highly flammable liquid and vapor



Appearance Liquid

Physical state Liquid

Odor Ester like

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed when product is not in use.
Ground/bond container and receiving equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Use explosion-proof electrical/ventilating/lighting/equipment
Keep cool

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see first aid information on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
If skin irritation or rash occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
Methyl methacrylate	80-62-6	60 - 70%	*
Modified Methacrylate	Proprietary	0 - 20%	*
Titanium Dioxide (Non Carcinogenic)	13463-67-7	0 - 10%	*

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms Headache, confusion.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. These include: Foam, dry chemicals, carbon dioxide and low volume water spray

Unsuitable extinguishing media High volume water jet.

Specific hazards arising from the chemical

May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition. Closed container may rupture if strongly heated. Vapors may form explosive mixtures with air. Combustible air-vapor mixtures are heavier than the air and spread along the floor. Ignition from a considerable distance is possible.

Explosion data

Sensitivity to Mechanical Impact No data available.
Sensitivity to Static Discharge No data available.

Protective equipment and precautions for firefighters

Evacuate enclosed and surrounding areas. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Keep spills away from sources of ignition.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment

Remove sources of ignition and ventilate area. Prevent further leakage or spillage if safe to do so. Prevent product from getting into drains/surface water/groundwater.

Methods for cleaning up

Pick up the absorbed material (described just above) and transfer to properly labeled containers for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Take action to prevent static discharge. Do not eat, drink, smoke or chew tobacco around material. Wear appropriate protective eye ware and clothing as detailed in Section 4.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from direct sunlight.

Incompatible materials

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl methacrylate 80-62-6	STEL: 100 ppm TWA: 50 ppm	TWA: 100 ppm TWA: 410 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 410 mg/m ³	IDLH: 1000 ppm TWA: 100 ppm TWA: 410 mg/m ³
Titanium Dioxide (Non Carcinogenic) 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³ TWA: 2.4 mg/m ³ CIB 63 fine TWA: 0.3 mg/m ³ CIB 63 ultrafine, including engineered nanoscale

Appropriate engineering controls

Engineering Controls

Showers
Eyewash stations
Explosion proof ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Use safety glasses (ANSI Z87.1 or approved equivalent).

Skin and body protection

Wear butyl rubber gloves while handling, gloves should be replaced often. Use chemically resistant apron or other impervious clothing to avoid skin contact.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respiratory protection should be worn.

General Hygiene Considerations

Take off all contaminated clothing immediately. Store work

clothing separately. Follow usual good standards of hygiene. Clean skin thoroughly after work is completed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Liquid	
Appearance	Liquid	Odor	Ester like
Color	Opaque	Odor threshold	No data available
Property	Values	Remarks • Method	
pH	Not applicable		
Melting point/freezing point	No data available		
Boiling point / boiling range	Approx. 100C, 212F		
Flash point	10C, 50F (methyl methacrylate)		
Evaporation rate	No data available		
Flammability (solid, gas)	No data available		
Flammability Limit in Air	====>	Flammable above 10 degrees C and 50 degrees F	
Upper flammability limit:	12.5% (volume, methyl methacrylate)		
Lower flammability limit:	2.1% at 10.5C, 33.8F (volume, methyl methacrylate)		
Vapor pressure	Approximately 40 hPa @ 20C		
Vapor density	>1, 20C, 68F		
Specific Gravity	No data available		
Water solubility	Approx. 20 g/l @ 20C, 68F		
Solubility in other solvents	No data available		
Partition coefficient	No data available		
Autoignition temperature	Mixture is not classified as self heating		
Decomposition temperature	Stable under normal conditions		
Kinematic viscosity	No data available		
Dynamic viscosity	No data available		
Explosive properties		No data available	
Oxidizing properties		No data available	

Other Information

Softening point	No data available
Molecular weight	No data available
VOC Content (%)	No data available
Density	No data available
Minimum ignition temperature	430C, 806F (methyl methacrylate)

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions as it is supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerize with heat evolution.

Possibility of Hazardous Reactions

None under normal processing. Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions.

Conditions to avoid

Extremes of temperature and direct sunlight. Aging, contamination, oxygen free atmosphere.

Incompatible materials

Peroxides, amines, sulfur compounds, heavy metal ions, alkalis, reducing agents and oxidizing agents.

Hazardous Decomposition Products

None when used as directed.

11. TOXICOLOGICAL INFORMATION			
Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl methacrylate 80-62-6	8420 - 10000 mg/kg (Rat) = 7872 mg/kg (Rat)	5000 - 7500 mg/kg (Rabbit) > 5 g/kg (Rabbit)	= 7093 ppm (Rat) 4 h
Methacrylate	= 10837 mg/kg (Rat)	-	-
Titanium Dioxide (Non Carcinogenic) 13463-67-7	> 10000 mg/kg (Rat)	-	-

Information on likely routes of exposure

Product Information

Inhalation	Relevant route of exposure, see effects above.
Eye contact	Relevant route of exposure, see effects above.
Skin contact	Relevant route of exposure, see effects above.
Ingestion	If handled correctly, not a relevant route of exposure. Information on effects is given above.

Information on toxicological effects

Symptoms

Inhalation	Dizziness, headache.
Eye contact	Causes serious eye irritation.
Skin contact	Causes skin irritation. May cause
Ingestion	If handled correctly, not a relelvar below.

Chemical Name	ACGIH	IARC	NTP	OSHA
Methyl methacrylate 80-62-6	-	Group 3	-	-
Titanium Dioxide (Non Carcinogenic) 13463-67-7	-	Group 2B	-	X

Reproductive toxicity	No data available
STOT - single exposure	No data available
STOT - repeated exposure	No data available
Aspiration hazard	Not relevant

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document For exterior use only. Do not use indoors.

ATEmix (oral)	10,837.00 mg/kg
ATEmix (inhalation-vapor)	7,093.00 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

14.75% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Methyl methacrylate 80-62-6	170: 96 h Pseudokirchneriella subcapitata mg/L EC50	243 - 275: 96 h Pimephales promelas mg/L LC50 flow-through 170 - 206: 96 h Lepomis macrochirus mg/L LC50 flow-through 326.4 - 426.9: 96 h Poecilia reticulata mg/L LC50 static 125.5 - 190.7: 96 h Pimephales promelas mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 static 153.9 - 341.8: 96 h Lepomis macrochirus mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	69: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No data available.

Bioaccumulation

No data available.

Chemical Name	Partition coefficient
Methyl methacrylate 80-62-6	0.7

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Disposal should be in accordance with applicable local, regional, national and international laws and regulations. Do NOT heat or cut the empty container with electric or gas torch!

Contaminated packaging

Do not reuse container.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl methacrylate 80-62-6	U162	Included in waste stream: F039	-	U162

Chemical Name	California Hazardous Waste Status
Methyl methacrylate 80-62-6	Toxic Ignitable

14. TRANSPORT INFORMATION

DOT

DOT Ground: Regulated if shipped in containers >119 gallons (450 liters).

Domestic Regulations

UN/ID/NA Number
Proper shipping name
Class
Packing Group

UN 1866
Resin solution
3
II

Labels	3
ERG Code	127
Marine pollutant	No

International Regulations

IATA-DGR	
UN/ID	UN 1866
Proper shipping name	Resin solution STABILIZED
Class	3
Packing Group	II
Labels	3
Packing instruction (cargo aircraft)	364
Packing instruction (passenger aircraft)	353

IMDG-Code	
UN number	UN 1866
Proper shipping name	RESIN SOLUTION STABILIZED
Class	3
Packing Group	II
Labels	3
EmS Code	F-E, S-E
Marine Pollutant	No

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

Not applicable for product as supplied.

Special precautions for user

The transport classifications provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this GHS. Transportation classifications may vary by mode of transportation, package sizes and variations in regional or country regulations.

15. REGULATORY INFORMATION

International Inventories

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Methyl methacrylate - 80-62-6	1.0

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Methyl methacrylate 80-62-6	1000 lb	-	-	X

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Methyl methacrylate 80-62-6	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 2	Flammability 3	Physical hazards 2	Personal protection X

Prepared By	FBC Administrative Services Department
Issue Date	28-Jun-2019
Revision Date	22-Feb-2021
Revision Note	

Disclaimer

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.

End of Safety Data Sheet