



Safety Data Sheet

PS-30 A

Issue Date: May, 2012

Revision Date: November, 2019

Version: 2

1. IDENTIFICATION

Product Identifier

Product Name PS 30A

Other means of identification

SDS # CIP-001

UN/ID No UN1133

Recommended use of the chemical and restrictions on use

Recommended Use Adhesive.

Details of the supplier of the safety data sheet

Supplier Address

Caseway Industrial Products, Inc.
3487 Highland Drive
Bay City, MI 48706
Ph: 989-391-9992
Fax: 989-391-9994

Emergency Telephone Number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America) Contract # 106140
Contact manufacturer for all non-emergency calls

2. HAZARDS IDENTIFICATION

Appearance Clear colorless liquid

Physical State Liquid

Odor Ester-like

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 2

Signal Word

Danger

Hazard Statements

H315: Causes skin irritation

H319: Causes serious eye irritation

H317: May cause an allergic skin reaction

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness

H225: Highly flammable liquid and vapor



Precautionary Statements - Prevention

P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking
P235: Keep cool
P240: Ground/bond container and receiving equipment
P241: Use explosion-proof equipment
P242: Use only non-sparking tools
P243: Take precautionary measures against static discharge
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P264: Wash face, hands and any exposed skin thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P271: Use only outdoors or in a well-ventilated area
P272: Contaminated work clothing should not be allowed out of the workplace
P280: Wear protective gloves/protective clothing/eye protection/face protection
P281: Use personal protective equipment as required

Precautionary Statements - Response

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P363: Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P370+P378: IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

P405: Store locked up
P403+P233: Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

P501: Dispose of contents/container to an approved waste disposal plant

Other Hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Methyl Methacrylate	80-62-6	90-98
2,2'-[(4-methylphenyl)imino]bisethanol	3077-12-1	0.1-1.0
2-(2H-benzotriazol-2-yl)-p-cresol	2440-22-4	0.1-1.0

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation or rash occurs: Get medical advice/attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical attention immediately.

Most important symptoms and effects

Symptoms	Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause skin and eye irritation. Will cause gastrointestinal tract irritation. The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically. Can cause allergic response in susceptible or hypersensitive individuals upon repeated or prolonged exposure.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam, Dry chemical, Carbon dioxide (CO₂).

Unsuitable Extinguishing Media Water jet.

Specific Hazards Arising from the Chemical

Vapors may travel to source of ignition and flash back. Highly flammable liquid and vapor.

Sensitivity to Static Discharge	Take precautionary measures against static discharge. Flammable mixtures of this product are readily ignited even by static discharge.
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Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Remove all sources of ignition. The wet contaminated surface may be slippery.
Environmental Precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite).
Methods for Clean-Up	Use clean non-sparking tools to collect absorbed material. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS. Wash spill area with a mild detergent.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Wear appropriate personal protective equipment. Wash face, hands, and any exposed skin thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static discharges. Ground container and transfer equipment to eliminate static electric sparks. Use spark-proof tools and explosion-proof equipment. Avoid breathing vapors or mists. Contaminated work clothing should not be allowed out of the workplace. Use only in well-ventilated areas. Keep containers closed when not in use. Keep cool.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store between 16°-26°C (69°-79°F). Store locked up. Protect from damp. Store away from heat and incompatible materials.
Incompatible Materials	Organic Peroxides, Reducing agent, Strong oxidizing agents. Tertiary amines. Heavy metals. Free-radical initiators. Mineral acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

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

Appropriate engineering controls

Engineering Controls	Good ventilation is required. Maintain eye wash fountain and quick-drench facilities in work area.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Splash goggles or safety glasses.
Skin and Body Protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. Use NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

General Hygiene Considerations Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Ester-like
Appearance	Clear colorless liquid	Odor Threshold	Not determined
Color	Clear Colorless		
Property	Values	Remarks • Method	
pH	Not determined		
Melting Point/Freezing Point	-48.2 °C / -54.8 °F		
Boiling Point/Boiling Range	100.3 °C / 212.5 °F		
Flash Point	10 °C / 50 °F		
Evaporation Rate	3.1	Pensky-Martens Closed Cup (PMCC)	
Flammability (Solid, Gas)	Not determined	(butyl acetate = 1)	
Upper Flammability Limits	12%		
Lower Flammability Limit	2.1% @ 10.5°C / 33.8°F		
Vapor Pressure	38.7 hPa (=mbar)	@ 20°C (68°F)	
Vapor Density	3.5	(Air=1)	
Specific Gravity	0.94g/cm3	@ 20°C (68°F)	
Water Solubility	15.9 g/l	@ 20°C (68°F)	
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	430°C / 806°F		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under normal conditions. Fill container by approximately 90% as oxygen (air) is required for stabilization. Large storage containers make sure the oxygen (air) supply is sufficient to ensure stability.

Possibility of Hazardous Reactions

Prolonged exposure to elevated temperatures which can cause premature polymerization and release methyl methacrylate vapors.

Hazardous Polymerization Hazardous polymerization may occur.

Conditions to Avoid

Temperatures >35°C (95°). Heat, flames and sparks.

Incompatible Materials

Organic Peroxides, Reducing agent, Strong oxidizing agents. Tertiary amines. Heavy metals. Free-radical initiators. Mineral acids.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation. May cause an allergic skin reaction.
Inhalation	May cause irritation to the mucous membranes and upper respiratory tract.
Ingestion	Ingestion may cause irritation to mucous membranes.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl Methacrylate 80-62-6	= 7872 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 4632 ppm (Rat) 4 h = 400 ppm (Rat) 1 h

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	May cause an allergic skin reaction.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Methyl Methacrylate 80-62-6		Group 3		

Legend

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.**Numerical measures of toxicity**

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	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 125.5 - 190.7: 96 h Pimephales promelas mg/L LC50 static 170 - 206: 96 h Lepomis macrochirus mg/L LC50 flow-through 153.9 - 341.8: 96 h Lepomis macrochirus mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 79: 96 h Oncorhynchus mykiss mg/L LC50 static 326.4 - 426.9: 96 h Poecilia reticulata mg/L LC50 static		69: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Methyl Methacrylate 80-62-6	0.7

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

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
2-(2H-benzotriazol-2-yl)-p-cr esol 2440-22-4		Included in waste stream: K060		

California Hazardous Waste Status

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

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN1133
 Proper Shipping Name Adhesives
 Hazard Class 3
 Packing Group II
 Reportable Quantity (RQ) 1000 lbs

IATA

UN/ID No UN1133
 Proper Shipping Name Adhesives
 Hazard Class 3
 Packing Group II

IMDG

UN/ID No UN1133
 Proper Shipping Name Adhesives
 Hazard Class 3
 Packing Group II

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Methyl Methacrylate	Present	X		Present		Present	X	Present	X	X
2,2'-[(4-methylphenyl)imino]bisethanol	Present	X		Present		Present	X	Present	X	X
2-(2H-benzotriazol-2-yl)-p-cresol	Present	X		Present		Present	X	Present	X	X

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

CERCLA

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

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Methyl Methacrylate - 80-62-6	80-62-6	90-98	1.0

CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Methyl Methacrylate	1000 lb			X

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Methyl Methacrylate 80-62-6	X	X	X

16. OTHER INFORMATION

NFPA**Health Hazards**

2

Flammability

3

Instability

2

Special Hazards

Not determined

HMIS**Health Hazards**

2

Flammability

3

Physical Hazards

2

Personal Protection

Not determined

Issue Date:

15-May-2012

Revision Date:

November, 2019

Revision Note:

Added GHS codes

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