SAFETY DATA SHEET

Date issued : 04/25/2025
SDS number : MM Kit Polyester Resin

MM Polyester Resin for Kit

1. Identification

Product code: 157008A, 157009A
Product identifier: MM Polyester Resin for Kit

Manufacturer / Supplier

Merritt Marine Supply
2621 NE 4 th Ave.
Pompano Beach, Florida 33604
Emergency contact: Chemtrec
Emergency Phone: (800) 424-9300
Customer Service: (954) 946-5350
E-Mail: Sales@MerrittSupply.com
Web: MerrittSupply.com
Emergency contact: International
Emergency Phone: (703) 527-3887

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Acute Toxicity (Inhalation), Category 4
Skin Irritation/Corrosion, Category 2
Serious eye damage/eye irriation, Category 2A
STOT SE (Respiratory Tract Irritation), Category 3
STOT RE, Category 1 (Auditory System)
Reproductive Toxicity, Category 2

Physical hazards:

Flammable Liquids, Category 3

Label elements


Flame


Health hazard


Exclamation mark

Signal word: DANGER

Hazard statement(s)

H226: Flammable liquid and vapour.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H332: Harmful if inhaled.
H315: Causes skin irritation.
H351: Suspected of causing cancer.
H317: May cause an allergic skin reaction.

Precautionary statement(s)

Supplemental label elements:

P202: Do not handle until all safety precautions have been read and understood.
P370+P378: In case of fire: Use Dry Chemical, CO2, Water spray (fog), or Foam to extinguish.

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240: Ground and bond container and receiving equipment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash ... thoroughly after handling.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P284: In case of inadequate ventilation, wear respiratory protection.

Response:

P370+P378: In case of fire: Evacuate area. Use water fog, foam, dry chemical or carbon dioxide to extinguish
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P370 + P378: In case of fire: Use ABC-powder, carbon dioxide, use dry sand, dry extinguising chemical powder or foam for extinction.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304+P312: IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell.
P301+P331+P312: IF SWALLOWED:. Do NOT induce vomiting. Call a POISON CENTER/doctor/...if you feel unwell.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P332+P313: If skin irritation occurs: Get medical advice/attention.
P308+P313: IF exposed or concerned: Get medical advice/ attention.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of contents/container to a RCRA approved Treatment Storage Disposal Facility.

Emergency overview

Immediate concerns: Flammable liquid and vapor. Vapors are heavier than air and can move along the ground. Material is an aspiration hazard if swallowed. May cause damage to the eyes, skin, and respiratory tract. May cause (CNS) central nervous system depression.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Proprietary Polyester Resin	60 - 65	T/S
Styrene	< 45	100-42-5
Non Hazardous Fillers (Trade Secret)	< 3	T/S

Comments: T/S 'Trade Secret' Polyesters as noted in this document may contain various polyester resins known as Orthophthalic resin, Isophthalic resin, Dicyclopentadiene resin, and or Vinyl Ester resin. See Section 1 for any specific resin involved.

4. First-aid measures

Eye: Immediately Flush eyes with a large amount of water for at least 15 minutes, while holding eyelids open. Rest eyes for several minutes. If redness, burning, blurred vision or swelling persist, consult a physician.

Skin: Immediately flush with plenty of soap and water. Remove and dispose of contaminated clothing.

Ingestion: Aspiration hazard. If swallowed, Do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Rinse mouth with water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Inhalation: If inhaled, remove to fresh air and keep person calm. If not breathing give artificial respiration. If breathing is difficult trained personnel can administer oxygen. Immediate medical attention required.

Indication of immediate medical attention and special treatment needed, if necessary: No specific treatment, treat symptomatically. Call medical doctor or a Poison Control center immediatly if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Flammable class: GHS Flamable Liquid Category 3, DOT Class 3 Flamable liquid,

Suitable extinguishing media: Use dry chemicals, CO2, water spray/fog (not jet), or alcohol resistant foam.

Hazardous combustion products: Produces carbon oxides (CO, CO2) and irritating or toxic vapors and gases.

Other considerations: Flammable Liquid and Vapor.The vapors are heavier than air, can spread along the ground accumulate in low areas, and flash back to a source of ignition.

Explosion hazards: Closed containers may contain flammable vapor and rupture or explode when heated..

Fire fighting procedures: Cool containers with flooding quantities of water until well after fire is out to avoid pressure build up, autoignition or explosion.

Fire fighting equipment: In confined spaces, Full Bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus (SCBA), may be neccessary.

Sensitivity to static discharge: Yes

6. Accidental release measures

Small spill: Eliminate all sources of ignition. Take up small spills using non-combustible absorbent material. Transfer to proper disposal container.

Large spill: Alert nearby personnel. Eliminate all ignition sources. With proper PPE, Stop leak if without risk. Absorb with dry earth, sand, vermiculite, or other non-combustible material. Prevent entry into sewers, drains, basements or other low areas with a dike if needed. Be careful that the product is not present at a concentration level above established exposure limits.

7. Handling and storage

Precautions for safe handling: Avoid ignition sources (flame, spark, smoking, etc) in use or handling areas. Use explosion proof electrical equipment. Ensure proper electrical grounding procedures are in place. Provide sufficient ventilation. Always wear proper personal protection equipment when handling.

Conditions for safe storage: Keep tightly closed in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat, sparks, and flame.

Electrostatic accumulation hazard: Electrostatic ignition is possible, containers should be properly grounded.

Comments: This product has a limited shelf life and should be stored cool.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
	Occupational exposure limit values			
Chemical name	**Type**		**ppm**	**mg/m³**
Styrene	**ACGIH**	**STEL**	40 ppm	
		TWA	20 ppm	
	OSHA PEL	**STEL**	200 ppm	
		TWA	100 ppm	

Appropriate engineering controls: Provide ventilation or other engineering controls to keep the airborne concentrations of vapors or mists below any applicable workplace exposure limits (PEL/TLV). An installed emergency eye wash station or safety showers should be located near the work area.

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical splash goggles. Always use proper eye protection around the work area.

Skin protection - hand protection: Wear solvent resistant gloves (consult safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910. 134.

9. Physical and chemical properties

Physical state: Viscous Liquid.

Appearance: Nondescript Colored Syrup

Odor: Pungent, Sweet

pH: Not Applicable.

Melting point: Not Applicable.

Freezing point: Not Applicable.

Initial boiling point and boiling range: 145°C (293°F)

Flash point: 31°C (88°F) Closed Cup

Evaporation rate (n-butyl acetate = 1): < 1 (Butyl Acetate = 1)

Lower explosion limit / flammability limit: 1%

Upper explosion limit / flammability limit: 7%

Vapor pressure: 4.5 mm Hg @ 20 C.

Relative vapor density: 3.6 (Air =1)

Relative density: .9 to 1.1 (Water = 1)

Solubility: Negligible.

Auto-ignition temperature: (392°F)

Kinematic viscosity: > 20 mm2/s

Percent volatiles: Variable

VOC content: < 46 %

10. Stability and reactivity

Reactivity: Yes

Dangerous polymerization: Hazardous reactions or instability may occur under certain conditions of storage and use.

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Avoid contact with incompatible materials and ignition sources or heat.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Incompatible materials: Avoid all unplanned contact with strong reactive chemicals, Acids, Bases, Amines, Epoxides, Peroxides and other Oxidizers.

Comments: Material has a limited shelf life and is best stored cool to maintain product viability and usefulness.

11. Toxicological information

Acute toxicity

Acute dermal toxicity LD_{50}: > 5000 mg/Kg (Rabbit)

Acute oral toxicity LD_{50}: 5000 mg/Kg (Rat)

Acute inhalation toxicity LC_{50}: 11.8 g / m3 4 hours (rat)

Notes: Values listed are for Styrene CAS100-42-5

Skin corrosion / irritation: Causes skin and eye irritation and possible damage..

Serious eye damage / irritation: Causes serious eye irritation / damage.

Germ cell mutagenicity: Not yet Known

Carcinogenicity

Notes: Listed by IARC, OSHA and NTP as possibly carcinogenic to humans (Group 2B), based on limited evidence of carcinogenicity in humans and experimental animals.

Reproductive toxicity: Not yet Known

Specific Target Organ Toxicity - single exposure: Respiratory system Catagory 3

Aspiration hazard: Catagory 1

12. Ecological information

Ecotoxicological information: Toxic to fish, invertebrates and microorganisms, however, substantial aquatic exposure is not expected based on the volatile nature of this material.

Aquatic toxicity, both acute and chronic: Values are for: Styrene (CAS# 100-42-5)

Bioaccumulative potential: This material is not expected to bioaccumulate.

Environmental data: Readily Biodegradable.

Comments: Regardless of regulatory statutes this material and all chemicals should be treated with respect in regard to matters of health, safety, and environmental releases, throughout the manufacturing, use, and final proper disposal of the product.

13. Disposal considerations

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with Federal, State/Provincial and local laws and regulations. Regulations may vary in different

locations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Polyester Resin Kit
Technical name: Polyester Resin, MEK Peroxide
UN number: 3269
Transport hazard class(es): 3
Packing group, if applicable: N/A
DOT other shipping information: Packing Group not assigned by regulation

ADR / RID - road / rail

UN proper shipping name: Polyester Resin Kit
UN number: 3269
Hazard class: 3
Packing group, if applicable: N/A
Note: Packing Group not assigned by regulation

ICAO / IATA - air

UN proper shipping name: Resin Solution
Technical name: Polyester Resin
UN number: 3269
Transport hazard class(es): 3
Packing group, if applicable: N/A
Note: Packing Group not assigned by regulation

IMO / IMDG - International

UN proper shipping name: Polyester Resin Kit
Technical name: Polyester Resin, MEK Peroxide
UN number: 3269
Transport hazard class(es): 3
Packing group, if applicable: N/A
Note: Packing Group not assigned by regulation

Comments: This information is not intended to convey all specific regulatory information relating to this product. Transportation classifications and product segregation rules may vary by container volume and geographical region..

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Acute Health Hazard, Chronic Health Hazard., Fire Hazard., Respiratory Tract Irritation, Serious Eye Damage, Skin Irritation
311/312 Physical hazards: Flammable Liquids
313 reportable ingredients: Styrene 100-42-5
EPCRA Section 302 Extremely Hazardous Substances
EPCRA Status: None required

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA regulatory: Styrene 100-42-5
CERCLA rq: 1000 lb.

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All components are TSCA listed

Clean air act (hazardous air pollutants): Styrene 100-42-5
California Proposition 65: WARNING: This product contains a chemical or chemicals known to the State of California to cause cancer and birth defects or other reproductive harm:
Clean water act: None present or none in regulated quantities

CANADA

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL): Listed.

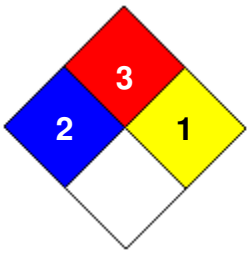
16. Other information

Date Prepared: 04/25/2025

HMIS rating

Health	*	2
Flammability		3
Physical hazard		1
Personal protection		

NFPA codes



Manufacturer disclaimer: This information is compiled from sources believed reliable at the date of issue, is provided in good faith and correct to the best of our knowledge. No warranty, guarantee, or representation is made as to the sufficiency of the information for the safe use of the product nor to relieve the end user of their own Federal, State, and local regulatory compliance requirements.

SAFETY DATA SHEET

Date issued : 04/24/2025
SDS number : MM MEK-Peroxide for Polyester Kits

MM MEK-Peroxide for Polyester Resin Kits

1. Identification

Product code: 157008B, 57009B, 157013B, 157014B
Product identifier: MM MEK-Peroxide for Polyester Resin Kits
Product description: Methyl Ethyl Ketone Peroxide
Uses advised against: This material needs to be used only as intended for the catalyzation of the enclosed Polyester resin product.

Manufacturer / Supplier

Merritt Marine Supply
2621 NE 4 th Ave.
Pompano Beach, Florida 33604
Emergency contact: Chemtrec
Emergency Phone: (800) 424-9300
Customer Service: (954) 946-5350
E-Mail: Sales@MerrittSupply.com
Web: MerrittSupply.com
Emergency contact: International
Emergency Phone: (703) 527-3887

2. Hazard identification

Classification of the substance or mixture

Organic Peroxides, Type D
Flammable Liquids, Category 4

Health hazards:

Skin Corrosion, Category 1B
Serious Eye Damage, Category 1
Reproductive Toxicity, Category 2

Environmental hazards:

Acute Hazards to the Aquatic Environment, Category 3

Label elements


Corrosion


Flame


Exclamation mark


Health hazard

Signal word: DANGER

Hazard statement(s)

H227: Combustible liquid.
H242: Heating may cause a fire.
H314: Causes severe skin burns and eye damage.
H361: Suspected of damaging fertility or the unborn child.
H401: Toxic to aquatic life.

Precautionary statement(s)

Prevention:

P202: Do not handle until all safety precautions have been read and understood.
P270: Do not eat, drink or smoke when using this product.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P234: Keep only in original packaging.
P261: Avoid breathing fumes, dust, vapors, gases or spray.
P273: Avoid release to the environment.
P220: Keep away from clothing and other combustible materials.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P370+P378: In case of fire: Use Dry Chemical, CO2, Water spray (fog), or Foam to extinguish.
P370+P378: In case of fire: Evacuate area. Use water fog, foam, dry chemical or carbon dioxide to extinguish
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Storage:

P233+P235: Keep container tightly closed at a cool to ambient temperature.

Disposal:

P501: Dispose of contents/container to a RCRA approved Treatment Storage Disposal Facility.

Emergency overview

Physical appearance: Colorless Liquid

Immediate concerns: Combustible Liquid Oxidzer, Aspiration Hazard. Corrosive. Can cause severe skin and eye damage. Ingestion can also burn throat and lead to aspiration hazard.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Methyl Ethyl Ketone Peroxide	32 - 35	1338-23-4
Dimethyl phthalate	< 45	131-11-3
Trimethylpentanediol isobutyrate	15 - 20	6846-50-0
Methyl Ethyl Ketone	< 2	78-93-3
Hydrogen Peroxide	1 - 5	7722-84-1

Comments: The combined ingredients are well known industrially as MEKP Methyl Ethyl Ketone Peroxide UN 3105

4. First-aid measures

Eye: Immediately; Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If lasting effects occur, consult a physician or eye care professional. A suitable emergency eyewash facility should be available in work area.

Skin: Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.

Ingestion: Aspiration hazard. If swallowed, Do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Rinse mouth with water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Inhalation: If inhaled, remove to fresh air and keep person calm. If not breathing give artificial respiration. If breathing is difficult trained personnel can administer oxygen. Immediate medical attention required.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically. May require supportive therapy as needed. Severe exposure should be followed by at least 48 hour monitoring.

5. Fire-fighting measures

Flammable class: Combustible and reactive liquid. Material may burn slowly at first, and after heating, burn quickly or explode.

Suitable extinguishing media: Use water spray, alcohol-resistant foam, or carbon dioxide.
(Dry Chemical fire retardents combined with peroxide may reignite fire.)

Other considerations: The heat of decomposition of the peroxides adds to the heat of the fire. Dry chemical fire extinguishing agent may catalyze the decomposition.

Once ignited this prodcut will burn vigourously and with acceleration.

Fire fighting procedures: Evacuate any non-essential personnel. Extinguish all ignition sources if safe to do so. Move container from fire area if this is possible without hazard. Use water to cool exposed containers and structures until fire is out. Avoid spreading burning material with water jet stream used for cooling purposes. However, burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Fight fire from protected location or safe distance. Contain fire water run-off if possible to prevent environmental damage. Review the "Accidental Release Measures" and "Ecologcal Information" sections of this SDS.

Fire fighting equipment: Full Bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus (SCBA).

Comments: Contact with Incompatble substances particularly finely divided metals and organic materials can cause rapid decomposition below the the listed SADT Decomposition Temperature with the release of significant heat and possible spontanious combustion.

6. Accidental release measures

Small spill: Extinguish all nearby ignition sources. Stop leak if it can be done safely. Prevent from entering waterways and sewers. Absorb with non-combustible material and transfer into appropriate disposal container using non-sparking tools.

Large spill: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump, vacuum, or otherwise transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for proper disposal according to all Federal, State, and Local ordinances.

Environmental precautions

Water spill: 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). Water polluting material. May be harmful to the environment if released in large quantities.

General procedures: Dike spill to prevent runoff from entering drains, sewers, streams, etc. Wet spilled material with water and absorb with an inert absorbent material such as perlite, vermiculite, or sand. Sweep up using non-sparking tools and place in a clean polyethylene drum or a polyethylene pail. Do not place into a steel container, lined or unlined, as decomposition may occur. Treat any contaminated cardboard packaging as hazardous waste. Wet container with additional water prior to sealing. Use absorbent material to solidify liquids. Clean up promptly by sweeping or vacuum. Wear protective equipment, including eye protection, to avoid exposure (see Section 8 for specific handling precautions).

7. Handling and storage

General procedures: Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Precautions for safe handling: Rotate stock using the oldest material first. Avoid contact with skin, eyes and clothing. Use PPE as specified in section 8. Keep containers closed to prevent contamination. Keep away from sources of heat, sparks, or flame. Do not add to hot solvents or monomers as a violent decomposition and/or reaction may result. When using spray equipment, never spray raw peroxide onto curing or into raw resin. Keep peroxide in its original container. DO NOT USE NEAR FOOD OR DRINK. Wash thoroughly after handling. Protect from contamination. Keep tightly sealed in original packing. Risk of heat decomposition.

Conditions for safe storage: The stability of peroxide formulations is directly related to the shipping and storage temperature history. Cool storage below 80 F (27 C) is recommended. Prolonged storage at elevated temperatures of greater than 100 F (38 C) and higher will cause product degradation, off gassing and potential container rupture which can result in a fire and/or explosion. Store out of direct sunlight in a well ventilated area away from combustible and incompatible material. Do not store with food and drink. Refer to NFPA 400 Hazardous Materials Code from the National Fire Protection Association for additional storage information.
Further information:
Store apart from other dangerous and incompatible substances.
Keep away from direct sunlight.
Keep containers tightly closed in a cool, well-ventilated place.

Comments: Special care needs to be taken with this material, store at the recommneded tempertures and avoid all unplanned contact with finely devided metals, powders, organic mateirals, and other reactive chemicials incuding Resins and other Composite additves.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
	Occupational exposure limit values			
Chemical name	**Type**		**ppm**	**mg/m³**
Methyl Ethyl Ketone Peroxide	**OSHA PEL**	**TWA**	[1]	[1]
	ACGIH TLV	**TWA**	0.2	1.5
Methyl Ethyl Ketone	**OSHA PEL**	**TWA**	200	590
		STEL	300	
	ACGIH TLV	**TWA**	200	590
		STEL	300	885
Hydrogen Peroxide	**OSHA PEL**	**TWA**	1	1.4
	ACGIH TLV	**TWA**	1	1.4
Footnotes: **1**. Not Established				

Appropriate engineering controls: Provide ventilation or other engineering controls to keep the airborne concentrations of vapors or mists below any applicable workplace exposure limits (PEL/TLV). An installed emergency eye wash station or safety showers should be located near the work area.

Individual protection measures, such as personal protective equipment

Eye / face protection: Chemical splash goggles and/or face shield. Always use proper eye protection around the work area.

Skin protection - hand protection: Wear impermeable gloves. Clothing should limit skin exposure. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

Respiratory protection: Vapor respirator may be required if exposure limits are exceeded. Use a NIOSH approved respirator or equivalent when required. Proper mechanical ventilation should be installed to ensure the exposure levels are below the allowable thresholds (PEL/TLV).

Skin protection - other: Clothing should be applicable for the job at hand to protect the skin from repeated exposure to the material.

Occupational hygiene practices: Never eat or drink in areas where the chemical is being used. Wash hands after exposure.

Other use precautions: A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

Comments: All items over 2 % listed

9. Physical and chemical properties

Physical state: Viscous Liquid.

Color: Clear (or Red)

Odor: Faint Odor.

pH: Not Applicable.

Initial boiling point and boiling range: No data available.

Flash point: 76°C (168°F) Setaflash Closed Cup

Evaporation rate (n-butyl acetate = 1): No data available.

Explosion limit / flammability limit notes: Not Available.

Vapor pressure: No data available.

Relative vapor density: > 1 (Air =1)

Relative density: 1.1 (Water = 1)

Solubility: Soluable in water

Auto-ignition temperature: No data available.

Decomposition temperature: > 60°C

Oxidizing properties: This substance is Oxidizing

Percent volatiles: No data available.

Comments: SADT; The SADT Self Accelerating Decomposition Temperture is > 60 C (140 F)

10. Stability and reactivity

Reactivity: Stable under recommended storage conditions.

Dangerous polymerization: Under normal conditions of use, hazardous reactions will not occur. Extreme heat or contact with incompatible materials can cause rapid, uncontrolled exothermic decomposition.

Conditions to avoid: Avoid contact with incompatible materials and ignition sources or heat.

Hazardous decomposition products: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke), Irritant, caustic, flammable, noxious/toxic gases and vapors can develop in the case of fire and decomposition, Acrid smoke and irritating fumes.

Incompatible materials: Keep away from strong acids, bases, metals, metal salts e.g. cobalt napthenate, finely divided metal powders, polyester based products, amines, anilines, combustable organic materials, and other contaminants (e.g. rust, dust, ash and grinding debris).

11. Toxicological information

Acute toxicity

Acute dermal toxicity LD_{50}: > 5000 mg/kg

Notes: ATE mix estimate

Acute oral toxicity LD_{50}: 1411 mg/kg

Notes: ATE mix estimate

Acute inhalation toxicity LC_{50}: 4.29 mg/l

Notes: ATE mix estimate

Notes: This mixture of ingredients combined has not been tested for toxicity.

Skin corrosion / irritation: Causes skin and eye irritation and possible damage..

Carcinogenicity

Notes: Not classified by IARC, OSHA, NTP, ACGIH

General comments: This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA.

12. Ecological information

Ecotoxicological information: Do NOT discharge into sewers or waterways.

Aquatic toxicity, both acute and chronic: Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

Bioaccumulative potential: No data available.

Environmental data: Environmental studies have not been performed for this mixture.

13. Disposal considerations

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations.

Empty container: Empty containers may contain product residue. Follow warning labels even after container has been emptied.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Polyester Resin Kit

Technical name: Polyester Resin, MEK Peroxide

UN number: 3269

Transport hazard class(es): 3

Packing group, if applicable: N/A

Hazard label: Organic Peroxide, Keep away from heat

Note: Packing Group not assigned by regulation

ADR / RID - road / rail

UN proper shipping name: Polyester Resin Kit

UN number: 3269

Hazard class: 3

Note: Packing Group not assigned by regulation

ICAO / IATA - air

UN proper shipping name: Polyester Resin Kit

Technical name: Polyester Resin, MEK Peroxide

UN number: 3269

Transport hazard class(es): 3

Note: Packing Group not assigned by regulation

IMO / IMDG - International

UN proper shipping name: Polyester Resin Kit

Technical name: Polyester Resin, MEK Peroxide

UN number: 3269

Transport hazard class(es): 3

Note: Packing Group not assigned by regulation

Canadian Transport of Dangerouse Goods Regulations (TDG)

UN proper shipping name: Polyester Resin Kit

Technical name: Polyester Resin, MEK Peroxide

UN number: 3269

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Fire Hazard, Immediate (acute) Health Hazard, Reactivity.

313 reportable ingredients: Dimethyl phthalate 131-11-3 (42 %)

Title III notes: Components meeting the requirements are listed.

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: Hydrogen Peroxide 1 %

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	CERCLA rq
Methyl Ethyl Ketone Peroxide	32 - 35	10 Pounds

TSCA (The Toxic Substances Control Act)

TSCA Status: All Components listed.

CAA 112(b) Hazardous Air Pollutants

CAA 112(r) List of Substances for Accidental Release Prevention: Dimethyl Phthalate 42%

Threshold quantity: 42%

Occupational safety and health administration (osha)

29 cfr1910.119---process safety management of highly hazardous chemicals:
OSHA Hazardous Communication Standard: This product is a " Hazardous Chemical " as defined by the OSHA hazardous Communication Standard, 29 CFR 1910.1200.

Clean water act: This product does not contain any hazardous substances under the US CWA Section 311 Tables 116.4 or 117.3 it does contain the priority pollutant under the CWA Dimethyl Phthalate 131-11-3

CANADA

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL): Listed.

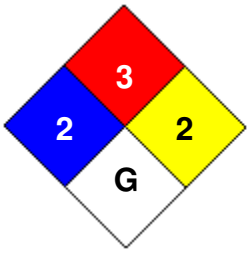
16. Other information

Date Prepared: 04/24/2025

HMIS rating

Health	3
Flammability	2
Physical hazard	1
Personal protection	G

NFPA codes



Manufacturer disclaimer: This information is compiled from sources believed reliable at the date of issue, is provided in good faith and correct to the best of our knowledge. No warranty, guarantee, or representation is made as to the sufficiency of the information for the safe use of the product nor to relieve the end user of their own Federal, State, and local regulatory compliance requirements.