

SAFETY DATA SHEET

SECTION 1: Identification

Trade Name: 714 PART B

EMERGENCY PHONE: PERS 1-800-633-8253

MANUFACTURER:

Madewell Products Corporation
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SECTION 2: Hazard(s) Identification

GHS Ratings:

Flammable liquid	4	Flash point $\geq 60^{\circ}\text{C}$ (140°F) and $\leq 93^{\circ}\text{C}$ (200°F)
Oral Toxicity	4	Oral $>300 + \leq 2000\text{mg/kg}$
Dermal Toxicity	3	Dermal $>200 + \leq 1000\text{mg/kg}$
Inhalation Toxicity	2	Gases $>100 + \leq 500\text{ppm}$, Vapors $>0.5 + \leq 2\text{mg/l}$, Dusts&mists $>0.05 + \leq 0.5\text{mg/l}$
Skin corrosive	1B	Destruction of dermal tissue: Exposure < 1 hour Observation < 14 days, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Organ toxin single exposure	3	Transient target organ effects- Narcotic effects- Respiratory tract irritation
Organ toxin repeated exposure	2	Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance)- Human evidence in exceptional cases
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ≥ 20.5 mm^2/s at 40°C .

GHS Hazards

H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H351	Suspected of causing cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P235	Keep cool
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see instructions on this label)

P331 Do NOT induce vomiting
 P363 Wash contaminated clothing before reuse
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
 P308+P313 IF exposed or concerned: Get medical advice/attention
 P370+P378 In case of fire: Use ... for extinction
 P405 Store locked up
 P403+P235 Store in a well ventilated place. Keep cool
 P501 Dispose of contents/container to ...

Signal Word: Danger



SECTION 3: Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL	80-15-9	80.00% - 90.00%

SECTION 4: First Aid Measures

INHALATION: Move person to fresh air and keep at rest in a position for breathing: if breathing is irregular, provide artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device; do not use mouth-to-mouth method if victim ingested or inhaled the substance; if breathing difficulties, administer oxygen; get medical attention. Risk of serious damage to the lungs (by aspiration).

EYE CONTACT: Bathe the eye with running water for at least 15 minutes, lifting upper and lower eyelids. Immediate medical attention is required.

SKIN CONTACT: Rinse immediately with plenty of water: remove contaminated clothing; wash thoroughly with soap and waer for at least 15 minutes. If irritation, rash or other adverse effects develop, get medical attention immediately.

INGESTION: Do NOT induce vomiting unless advised by a physician. Call nearest Poison Control Center or physician immediately. If vomiting occurs naturally, have victim lean forward.

Most important symptoms and effects, both acute and delayed. Difficulty in breathing. Causes burns by all exposure routes. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated.

Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.
 Eye wash stations and emergency showers should be available.

SECTION 5: Fire Fighting Measures

Flash Point: 79 C (174 F)

LEL: N/A

UEL: N/A

Autoignition temp 380 C / 716 F

Extinguishing Media

Carbon dioxide, alcohol resistant foam, dry chemical, water fog; use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media

No information available

Special hazards arising from the substance or mixture

Combustible material. Containers may explode when heated. Organic peroxide. May undergo hazardous decomposition. May cause fire. Oxidizer: Contact with combustible/organic material may cause fire. May ignite combustibles (wood paper, oil, clothing, etc.).

Hazardous combustion products: carbon dioxide and carbon monoxide toxic fumes

Advice for fire fighters: Use protective fire fighting clothing and positive pressure self contained breathing apparatus to protect against potential harmful and/or irritating fumes. Do not use high pressure water jet as this may spread the area of the fire.

Fire Equipment: Wear self-contained breathing apparatus pressure demand, and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 6: Accidental Release Measures

Personal precautions

Isolate area: ensure adequate ventilation; remove all sources of ignition; use appropriate personal protection equipment. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

Halt the flow of materials as soon as practical using appropriate barriers; turn containers leak-side up to stop the escape of liquid. Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches, waterways by using sand, earth or appropriate barriers.

Methods and material for containment and clean up

Soak up with sand, earth, diatomaceous earth or other suitable inert absorbent materials; collect into suitable waste disposal containers. Reuse uncontaminated material when possible. Wash spillage site with large amounts of water. Dispose of in accordance with applicable local and federal environmental control laws and regulations.

SECTION 7: Handling and Storage

Precautions for safe handling

Open drum carefully as content may be under pressure. Avoid formation of aerosol. Ensure adequate ventilation. Prevent inhalation of vapor, ingestion, and contact with skin, eyes and clothing. Keep containers closed when not in use. Precautions apply to empty containers as well. Do not eat, drink, or smoke in the work area. Wash thoroughly after handling. Personal protective equipment must be worn during maintenance or repair of mixers, reactors or other equipment containing the material.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, and flame. Store in a cool, dry area with adequate ventilation. Do not store with strong oxidizing agents. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
HYDROPEROXIDE, 1-METHYL-1-PHENYLETHYL 80-15-9	Not Established	Not Established	Not Established

Engineering controls:

Use only under chemical fume hood. Follow good industrial workplace practices; do not eat, drink or smoke while handling; wash hands before breaks and at end of workshift; follow recommendations in this SDS.

Environmental exposure controls

Observe all precautions to prevent contamination of soil and waterways.

Eye/face protection

Wear tight-fitting chemical safety goggles and/or face shield to prevent eye contact.

Skin protection

Wear impervious clothing as necessary to protect against product contact. Necessity for boots, apron, face shield, etc. will be dependent on any hazards presented in the work process.

Respiratory protection

Respiratory protection is required wherever exposure limits are exceeded; use a NIOSH approved organic vapor cartridge respirator following the guidelines of an established respiratory protection program in compliance with 29CFR1910.134

Hand protection

Use suitable impervious neoprene or nitrile rubber gloves. When prolonged or frequently repeated contact may occur, glove material should have a breakthrough time that exceeds 480 minutes; when only brief contact is expected, a glove with a lesser breakthrough rating may be suitable.

Other protective equipment

The type and degree of personal protective equipment appropriate will depend on the specific work operation. Eye wash stations and emergency shower should be available. Inspect and replace personal protective equipment at regular intervals; use professional care in their selection, use and care

SECTION 9: Physical and Chemical Properties

PHYSICAL STATE: LIQUID

pH: No data available

RELATIVE EVAPORATION RATE: No data available

MELTING POINT: -30C / -22F

BOILING POINT: No information available

FLASH POINT: 79C / 174F

AUTO IGNITION TEMPERATURE: 380C / 716F

DECOMPOSITION TEMPERATURE: Not determined

VAPOUR PRESSURE: Not determined

RELATIVE VAPOUR DENSITY: 3.6

SPECIFIC GRAVITY: 1.06

SOLUBILITY: Miscible with water

SECTION 10: STABILITY AND REACTIVITY

Reactive Hazard: Yes.

Stability: Organic peroxide. Hazardous decomposition may occur. Oxidizer: Contact with combustible/organic material may cause fire.

Possibility of hazardous reactions: None under normal processing.

Conditions to avoid: Heat, flames, and sparks. Excessive heat. Direct sources of heat. Exposure to air and sunlight. Combustible material, Incompatible products.

Incompatible materials: Acids, bases, heavy metals, oxidizing agents, combustible material..

Hazardous decomposition products: Thermal decomposition will generate carbon monoxide, carbon dioxide.

SECTION 11: Toxicological Information

Mixture Toxicity
Component Toxicity

Information on toxicological effects

Acute Oral Toxicity: LD50(rat):> 2000 mg/kg

Acute Dermal Toxicity: LD50(rabbit): >2000 mg/kg

Skin Corrosion/Irritation: Causes burns

Serious Eye Damage/Irritation: Causes serious eye irritation

Skin Sensitization): Not classified based on available information. May cause an allergic skin reaction.

Germ cell Mutagenicity: Not classified as mutagenic.

Caracinogenicity: Not classified as carcinogenic. Not listed by OSHA/NTP/IARC.
respiratory system. May aggravate individuals sensitized to amines.

Effects of Overexposure

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

Acute/prolonged toxicity to fish:LC50(Lepomis macrochirus)(96-hr): 3.9 mg/l

Other adverse effects: No other adverse effects ae identified

Component Ecotoxicity

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal: Do not dump to ground, sewers or watercourses. Incinerate or otherwise dispose of in compliance with all applicable federal, state and local environmental control laws and regulations. Waste characterization according to RCRA guidelines and compliance with applicable laws are the responsibility solely of the waste generator. Send waste to a licensed waste management company.

Container Disposal: Containers should be drained of all residual product prior to disposal. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Do not burn, or use a cutting torch on the empty drum.

SECTION 14 - TRANSPORT INFORMATION

DOT and TDG: UN3109, organic peroxide type f, liquid (cumyl hydroperoxide, 80%), 5.2, PGII

IATA and IMDG: UN3109, ORGANIC PEROXIDE TYPE F, LIQUID, 5.2, PGII, subsidiary hazard class 8

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Title III Section 311/312 (40CFR370): See section 2

SARA Title III Section 313 (40CFR372): Cumene hydroperoxide CAS# 80-15-9 80-85%

CERCLA: This material, as supplied, contains one or more substances regulated as a hazardous sub stance.

TSCA Inventory Status: Reported/included

Chemicals known to the state of California to cause cancer or reproductive toxicity: Cumene 98-82-2

EU Risk Phrases

Safety Phrase

SECTION 16 - OTHER INFORMATION

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