

# MATERIAL SAFETY DATA SHEET

## VINYL ESTER WELDKIT / BUTT-WRAP KIT PART B

### I. 24-HOUR EMERGENCY CONTACT INFORMATION

CHEM-TEL United States ..... 800-255-3924  
International ..... 813-248-0585

### II. HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Component Identification	CASRN	OSHA PEL	ACGIH TLV	% (by weight)
Methyl Ethyl Ketone Peroxide	0001338-23-4	None Estab.	1.5 mg/m <sup>3</sup> (1)	36 - 40
Active Oxygen	NA	NA	NA	</= 9
Dimethyl Phthalate	0000131-11-3	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	32 - 36
Safety Diluent	Proprietary (2)	None Established		26 - 30

(1) ACGIH Ceiling STEL. (2) Data withheld by raw material supplier

Product Description ..... **ORGANIC PEROXIDE**

### III. PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point ..... Decomposes @ 154°F (68°C)  
Melting Point ..... Not Determined  
Vapor Pressure ..... Not Determined  
Vapor Density (Air = 1) ..... > 1  
Specific Gravity (Water = 1) ..... 1.072 @ 77°F (25°C)  
Evaporation Rate (butyl acetate = 1) ..... Not Determined  
pH ..... Not Determined  
Appearance and Odor ..... Colorless to light yellow or red liquid, slight odor  
Odor Threshold ..... Not Determined

### IV. FIRE and EXPLOSION HAZARDS

Flash Point ..... 176°F (80°C), Seta Flash Closed Cup  
Autoignition Temperature ..... Not Determined  
LEL / UEL ..... Not Determined  
Extinguishing Media ..... Foam, Dry Chemical, Dry Sand, CO<sub>2</sub>, Water Fog  
NFPA Ratings ..... Health (3) - Flammability (2) - Reactivity (2)

Special Firefighting Procedures: Evacuate personnel from danger area. Use water spray to cool containers exposed to fire.

Fire and Explosion Hazards: Other harmful gasses and vapors may be formed in addition to major combustion products of CO and CO<sub>2</sub>. Once ignited, this product will burn vigorously and with acceleration.

### V. REACTIVITY DATA

Stability ..... Stable when stored at or below 100°F (38°C)  
Hazardous Polymerization ..... Will not occur  
Conditions to Avoid ..... Temperatures above 100°F (38°C)  
Incompatibilities ..... Strong acids, reducing agents, accelerators  
Hazardous Decomposition Products ..... CO, and CO<sub>2</sub>

## VI. HEALTH HAZARD DATA

Route(s) of Entry:           Inhalation..... Yes  
                                  Skin..... Yes  
                                  Ingestion..... Not Expected

Acute (Short-Term) Health Effects: Harmful or fatal if swallowed and moderately toxic by inhalation. Can cause chemical burns to the eyes and skin. Can cause blindness upon direct contact with the eyes.

Chronic (Long-Term) Health Effects: Information not available.

Carcinogenicity: None of the chemicals in this product are classified as known or potential human carcinogens by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC). Or OSHA.

Signs and Symptoms of Exposure: Signs and symptoms following exposure to this product will generally be related to skin contact and may include redness, burning, and blistering. Prolonged inhalation of vapors may cause mucous membrane irritation and vertigo.

Medical Conditions Generally Aggravated by Exposure: None known.

### Emergency and First Aid Procedures:

- Inhalation:* Immediately leave the contaminated area; take deep breaths of fresh air. If exposure is severe, hospitalize and observe. If breathing has stopped, give artificial respiration.
- Skin Contact:* Remove contaminated clothing. Wash skin with soap and water. If irritation persists or if contact has been prolonged, obtain medical attention.
- Eye Contact:* Immediately flush eyes with water and continue for at least 15 minutes. Obtain medical attention immediately. May cause blindness.
- Ingestion:* Not expected under normal use conditions. However, if ingestion does occur, do not induce vomiting. If the victim is conscious, rinse mouth with water. Give water to drink. Drink water in small sips. If the victim is unconscious, do not give anything by mouth. Seek immediate medical attention.

HMIS Ratings ..... Health (3) – Flammability (2) – Reactivity (2)

## VII. PRECAUTIONS FOR SAFE HANDLING and USE

Steps to be Taken in Case Material is Released or Spill: Due to the relatively small end-use container sizes, significant spills are unlikely. However, if a spill does occur, all ignition sources in the immediate area should be removed. Use only non-sparking tools during cleanup and place discarded material into a suitable container. Do not allow spilled materials to enter storm sewers, sanitary sewers, or impact ground water.

Waste Disposal Method: Disposal must be in accordance with applicable laws. Blending with base component at proper ratio may render materials non-hazardous.

Precautions to be Taken in Handling and Storage: Store away from incompatible materials, direct sunlight, flames, and all sources of heat. Avoid exposure to temperatures in excess of 100°F (38°C). Avoid skin and eye contact. Use only in a well ventilated area.

## VIII. CONTROL MEASURES

Respiratory Protection: None typically required for normal use. Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area.

Ventilation: A system of local and/or general exhaust is recommended.

Hand Protection: Gloves impervious to this material should be worn.

Eye Protection: ANSI-approved safety glasses with side shields or chemical goggles.

Other: Such clothing as to minimize or eliminate skin contact.

**IX. REGULATORY INFORMATION (Not meant to be all-inclusive)**

Hazardous Materials Transportation Act (HMTA)

When offered alone, this material should be classified as follows:

Proper Shipping Name ..... Organic Peroxide Type D, Liquid  
(Methyl Ethyl Ketone Peroxide 9% Max. Active Oxygen)  
Hazard Class..... 5.2  
Identification Number ..... UN3105  
Packaging Group ..... II  
Label Required..... Organic Peroxide

When offered with the catalyst within the same container, the classification is:

Proper Shipping Name ..... Polyester Resin Kit  
Hazard Class..... 3  
Identification Number ..... UN3269  
Packaging Group ..... III  
Label Required..... Flammable Liquid

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

This produce contains the following CERCLA Section 102(a) hazardous substance(s) as listed in 40 CFR 302.4:

Identity	CASRN	% (by weight)	Reportable Quantity (RQ)
Methyl Ethyl Ketone Peroxide	0001338-23-4	36 - 40	10-lbs (4.54-kg)
Dimethyl Phthalate	0000131-11-3	32 - 36	5,000-lbs (2,270-kg)

Superfund Amendment and Reauthorization Act (SARA)

This product contains the following SARA Title III Section 302 extremely hazardous substance(s) as listed in 40 CFR Part 355:

Identify	CASRN	% (by weight)
None		

SARA Title III Section 311/312 hazardous categorization:

This product has been reviewed according to the EPA hazard categories promulgated under SARA Tile III Section 311 and 312 and is considered to meet the following hazard categories:

- An immediate (acute) health hazard
- A fire hazard
- A reactive hazard

This product contains the following SARA Title III Section 313 toxic substance(s) as listed in 40 CFR Part 372:

Identify	CASRN	% (by weight)
Dimethyl Phthalate	0000131-11-3	32 - 36

Toxic Substances Control Act (TSCA)

All ingredients are on the TSCA inventory or are not required to be on the inventory.

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## **CATALYST / HARDENER INDEX**

The material described in this MSDS is intended for use with the following:

### **VINYL ESTER WELDKIT / BUTT-WRAP KIT PART A**

Review literature supplied with product or contact NOV Fiber Glass Systems for proper mixing ratios.

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The logo for NOV Fiber Glass Systems features the letters "NOV" in a bold, sans-serif font. The letter "O" is a solid red circle. To the right of "NOV", the words "Fiber Glass Systems" are written in a blue, sans-serif font.

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