

**Revision Date:** 2016-06-01  
**Reason for Revision:** Reviewed Only

**SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY**

**Product Name:** Mi590B-021 Peroxide Reagent B

**Application:** Determination of Peroxides in Edible Oil

**Company Information (USA):**

Milwaukee Instruments, Inc.  
2950 Business Park Drive, Rocky Mount, North Carolina, USA 27804

**Technical Service Contact Information:**

1-877-283-7837 (8:30AM ET – 5:00PM ET) 1-252-443-3630 (8:30AM ET – 5:00PM ET)

**USA Emergency Contact Information:** 1-800-424-9300 (Chemtrec 24Hr. Emergency)

**E-mail Address:** support@milwaukeeinstruments.com

**SECTION 2: HAZARD IDENTIFICATION**

Non-hazardous product as specified in Directives 67/548/EEC and 1999/45/EC.

Non-hazardous product as specified in OSHA Regulation 29 CFR 1910.1200.

Non-hazardous product as specified in Canadian Regulation SOR/88-66.

Non-hazardous product as specified in Regulation (EC) 1272/2008.

**According to Directives 67/548/EEC and 1999/45/EC:**

**S-phrases:** 22-24/25: Do not breathe dust. Avoid contact with skin and eyes.

**SECTION 3: COMPOSITION AND COMPONENT INFORMATION**

Crystalline Powder

**SECTION 4: FIRST AID MEASURES**

**After Inhalation:** Remove to fresh air. Call a physician if breathing becomes difficult.

**After Skin Contact:** Wash affected area with water and soap.

**After Eye Contact:** Rinse out with plenty of water for at least 15 minutes. If pain persists, summon medical advice.

**After Swallowing:** Wash out mouth with plenty of water, provided person is conscious. Obtain medical attention if feeling unwell.

**General Information:** Not available

**SECTION 5: FIRE-FIGHTING MEASURES****Suitable Extinguishing Media:**

Water Spray, Foam, Dry Powder, Carbon Dioxide

**Special Risks:**

Non-combustible. Development of hazardous combustion gases or vapors possible in the event of fire.

**Special Protective Equipment:**

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

**Additional Information:**

Contain escaping vapors with water.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal Precautions:**

None

**Environmental Precautions:**

None

**Additional Notes:**

None

**SECTION 7: HANDLING AND STORAGE****Handling:**

No restrictions

**Storage:**

Keep container closed and protected from direct sunlight. Store at room temperature (+15°C to +25°C).

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION****Engineering:**

Maintain general industrial hygiene practice.

**Personal Protective Equipment:**

As appropriate to quantity handled.

**Respiratory Protection:**

Required when vapors/aerosols are generated.

**Protective Gloves:**

Rubber or plastic

**Eye Protection:**

Goggles or face mask

**Industrial Hygiene:**

Change contaminated clothing. Wash hands after working with substance.

**SECTION 9: PHYSICAL/CHEMICAL PROPERTIES****Appearance:** White powder**Odor:** Odorless**Density at 20°C:** 3.1 g/cm<sup>3</sup>**Melting Point:** NA**Boiling Point:** 100 °C**Solubility:** Soluble**pH at 20°C:** 7.0 @ 10 g/L**Explosion Limit:** NA**Flash Point:** NA**Thermal Decomp.:** NA**SECTION 10: STABILITY AND REACTIVITY****Conditions to be Avoided:**

Heating

**Hazardous Polymerization:**

Will not occur.

**Further Information:**

Slightly hygroscopic.

**Hazardous Decomposition Products:**

In the event of fire: See section 5.

**Substances to be Avoided:**

Alkali metals, ammonia, halogen-halogen compounds, fluorine, hydrogen peroxide, oxidizing agent

**SECTION 11: TOXICOLOGICAL INFORMATION****Product Toxicity**

Acute toxicity  
LD50 (oral, rat): 2779 mg/kg.  
Specific symptoms in animal studies:  
Eye irritation test (rabbit): Slight irritations (HSDB).  
Subacute to chronic toxicity  
No indication of carcinogenic activity.  
Bacterial mutagenicity: Salmonella typhimurium: negative (Lit.).  
Bacterial mutagenicity: Escherichia coli: negative.  
Further toxicological information  
After skin contact: absorption.  
After eye contact: Slight irritations.  
After swallowing: Absorption via: gastrointestinal tract. Other notes: After absorption of toxic quantities: drop in blood pressure, paralysis symptoms, agitation, vomiting.  
Other notes:  
The following applies to iodides in general: Sensitization possible in predisposed persons.  
Further data  
The product should be handled with the care usual when dealing with chemicals.

**Component Toxicity****Acute Toxicity:**

Not Available

**Chronic Toxicity:**

Not Available

**Additional Data:**

Not Available

**SECTION 12: ECOLOGICAL INFORMATION**

Biologic degradation:  
Methods for the determination of biodegradability are not applicable to inorganic substances.  
Behavior in environmental compartments:  
Distribution: log Pow: 0.04 (calculated).  
No bioaccumulation is to be expected (log Pow <1).  
Ecotoxic effects:  
Biological effects:  
Fish toxicity: Onchorhynchus mykiss LC50: 8960 mg/L /96 h (ECOTOX Database).  
**Further Data:** No ecological problems are to be expected when the product is handled and used with due care and attention.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Can be safely disposed of as ordinary refuse.

**SECTION 14: TRANSPORTATION INFORMATION****Land:**

Not subject to transport regulations

**Sea:**

Not subject to transport regulations

**Air:**

Not subject to transport regulations

**SECTION 15: REGULATORY INFORMATION**

Complies with European Regulations (EC) No. 1907/2006 and No. 1272/2008.  
Complies with European Council Directives 67/548/EEC and 1999/45/EC.  
Complies with OSHA Regulation 29 CFR 1910.1200.  
Complies with Canadian Regulation SOR/88-66

**Safety Data Sheet**According to Regulation (EC) No. 1907/2006  
OSHA Regulation 29 CFR 1910.1200  
Canadian Regulation SOR/88-66**SECTION 16: OTHER INFORMATION***Text of phrases under Section 3*

NA

*Revision Information***Revision Date:** 2016-06-01**Supersedes edition of:** 2010-12-01**Reason for revision:** Reviewed Only**Legend** NA: Not Applicable  
ND: Not Determined

**THE INFORMATION CONTAINED HEREIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE. IT CHARACTERIZES THE PRODUCT WITH REGARD TO THE APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT A GUARANTEE OF THE PROPERTIES OF THE PRODUCT.**