

# Peroxide Reagent B

## Health & Safety data sheet

According to EC Directive 91/155/EC and following amendments

Date of issue: 12 September 2007

### **SECTION 1 - IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY**

**Product name:**

- Mi 590B-021 Peroxide Reagent B.

**Application:**

- Determination of peroxides in edible oil.

**Manufacturer identification:**

Milwaukee s.r.l.  
c.so Leonardo da Vinci 48/50  
21013 Gallarate (VA), Italy  
tel.: +39 0331 268009

**Emergency Telephone n. °:**

+39-02-66101029  
CENTRO ANTIVELENI  
OSPEDALE NIGUARDA (MI) - ITALY

### **SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture of crystalline powders.

### **SECTION 3 - HAZARD IDENTIFICATION**

No hazardous product as specified in Directive 67/548/EEC.

### **SECTION 4 - FIRST AID MEASURES**

- **After inhalation** : if inhaled remove to fresh air. If breathing becomes difficult, call a physician.
- **After skin contact** : wash off 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.

### **SECTION 5 – FIRE-FIGHTING MEASURES**

- **Suitable extinguishing media**
  - Water spray, foam, dry powder or carbon dioxide.
- **Special risks:**
  - Non combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
- **Special protective equipment for fire fighting:**
  - 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

### **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).

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#### **SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**

- **Personal protective equipment:**
  - As appropriate to quantity handled.
- **Protective gloves:**
  - Rubber or plastic.
- **Respiratory protection:**
  - Required when vapors/aerosols are generated.
- **Eye protection:**
  - Goggles or face mask.

#### **SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES**

- **Appearance** : white powder.
- **Odor** : odorless.
- **Solubility in water** : soluble.
- **Melting point** : NA
- **Boiling point** : 100 °C
- **pH value at 20°C** : 7.0 @ 10 g/L
- **density at 20°C** : 3.1 g/cm<sup>3</sup>
- **flash point** : not flammable
- **explosive properties** : NA
- **explosion limits** : NA
- **ignition temperature** : NA

#### **SECTION 10 - STABILITY AND REACTIVITY**

- **Conditions to be avoided:**
  - Heating.
- **Hazardous decomposition products:**
  - In the event of fire: see section 5.
- **Hazardous polymerization:**
  - Will not occur.
- **Substances to be avoided:**
  - Alkali metals, ammonia, halogen-halogen compounds, fluorine, hydrogen peroxide, oxidizing agent.
- **Further information:**
  - Slightly hygroscopic.

#### **SECTION 11 - TOXICOLOGICAL INFORMATION**

The following data apply to main component:

##### *Acute toxicity*

LD<sub>50</sub> (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.

#### **SECTION 12 - ECOLOGICAL INFORMATION**

The following data apply to main component:

##### *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 ecological data:*

No ecological problems are to be expected when the product is handled and used with due care and attention.

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#### **SECTION 13 - DISPOSAL CONSIDERATIONS**

- **Waste disposal:**
  - Can be safely disposed off as an ordinary refuse.

#### **SECTION 14 - TRANSPORT INFORMATION**

- **Land transport**
  - ADR/RID : 9, II
  - UN-No. : 3316
  - Name : CHEMICAL KIT
- **Sea transport**
  - IMDG : 9/UN 3316/PGII
  - Name : CHEMICAL KIT
- **Air transport**
  - ICAO/IATA : 9/UN 3316/PGII
  - Name : CHEMICAL KIT

These transport data apply to the COMPLETE KIT!

#### **SECTION 15 - REGULATORY INFORMATION**

##### **Labeling according to EC Directives:**

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

#### **SECTION 16 - OTHER INFORMATION**

- **Supersedes edition of** : / (1<sup>st</sup> edition).
- **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.