# MATER AL SAFETY DATA SHEET



Page: 1

DATE PREPARED: 05/11/1999

MSDS No: GJS990511-1 Trigonox 145-45B-pd

#### 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Trigonox 145-45B-pd

General Use: Polymerization initiator / Crosslinking initiator.

MANUFACTURER:

Akzo Nobel Chemicals Inc.

Akzo Nobel Central Research

1 Livingstone Avenue

Dobbs Ferry, NY 10522-3401

Customer Service: 914-674-5000

24 HR. EMERGENCY TELEPHONE

NUMBERS:

Emergency Phone

914-693-6946

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

	wt.%	CAS Registry #
2,5-Dimethyl-2,5-di(tert-butylperoxy)hexyne-3	44 - 46	1068-27-5
Mineral oil	0 - 10	8042-47-5
Calcium carbonate	15 - 45	471-34-1
Silica, amorphous	5 - 30	7631-86-9

# OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

	EXPOSURE LIMITS OSHA PEL ACGIH TLV Supplier		
2,5-Dimethyl-2,5-di(tert-butylperoxy)hexyne-3 Mineral oil Calcium carbonate Silica, amorphous	ND 5 mg/m3 10 mg/m3 10 mg/m3	ND	

#### 3. HAZARDS IDENTIFICATION

# **EMERGENCY OVERVIEW**

IMMEDIATE CONCERNS:

Irritating

# SIGNS AND SYMPTOMS OF OVEREXPOSURE

# EYES:

Symptoms of overexposure include pronounced redness, itching, tearing, possibly blurred vision and/or pain.

#### SKIN:

Indications of overexposure include pronounced redness, itching, irritation, swelling or burns.

MARKETED BY

# HARWICK STANDARD **DISTRIBUTION CORPORATION**

60 S. Seiberling Street • Akron, Ohio 44305



DATE PREPARED: 05/11/1999

MSDS No: GJS990511-1 Trigonox 145-45B-pd

#### INGESTION:

Indications of overexposure include pronounced gastrointestinal irritation, discomfort, pain, nausea, vomiting, diarrhea or burning.

#### INHALATION:

Indications of overexposure include pronounced respiratory tract irritation, discomfort, pain, coughing or burning.

### SUBCHRONIC/CHRONIC TOXICITY

# CARCINOGENICITY:

None of the components present in this material at concentrations equal to or greater than 0.1% are known carcinogens.

# 4 FIRST AID MEASURES

## EYES:

Immediately flush eyes with running water for at least 15 minutes. Remove contact lenses if worn. Hold eyelids apart during flushing. Do not attempt to neutralize. Seek medical advice.

# SKIN:

Remove contaminated clothing immediately. Wash affected area thoroughly with soap and water. Get medical attention if indicated. Launder clothing before reuse.

#### INGESTION:

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

#### INHALATION:

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention, if indicated.

# 5 FIRE FIGHTING MEASURES

Flashpoint and Method: 134°F 56.7°C SETA Flash CC

Autoignition Temperature: 338°F 170°C

### EXTINGUISHING MEDIA:

Use water, foam, carbon dioxide, or dry chemical when fighting fires involving this material.

#### HAZARDOUS COMBUSTION PRODUCTS:

Possible combustion products may include flammable, toxic, irritating and/or corrosive gases, vapors, aerosols and/or fumes.



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## FIRE FIGHTING EQUIPMENT:

As in any fire, wear self-contained pressure-demand breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

#### FLAMMABLE LIMIT:

Not yet determined.

# 6. ACCIDENTAL RELEASE MEASURES

#### SMALL SPILL:

Prevent the spread of the solid and place the contaminated material in an appropriate waste container for disposal in accordance with all applicable regulations. Thoroughly scrub floor or other impervious surface involved in the spill with a strong industrial type detergent solution and rinse with water.

# 7. HANDLING AND STORAGE

#### GENERAL PROCEDURES:

Avoid contact with skin or eyes. Avoid breathing dusts, vapors, mists or gases. Wash thoroughly after handling and before eating, drinking or smoking.

#### HANDLING:

Adequate ventilation should be provided when there is a risk of exposure. Keep away from animals, food or drinking water. Container should remain closed when not in use.

#### STORAGE:

Store in a cool, dry and dark place in the original container. Keep away from combustible materials.

Storage Temperature: 86°F maximum 30°C maximum

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **ENGINEERING CONTROLS:**

Provide sufficient ventilation to prevent hazardous accumulation of aerosols, dusts, mists, vapors, gases and/or fumes.

## PERSONAL PROTECTION

#### EYES AND FACE:

Wear safety glasses with side shields or goggles.



DATE PREPARED: 05/11/1999

MSDS No: GJS990511-1 Trigonox 145-45B-pd

# SKIN:

Wear rubber gloves and appropriate clothing to minimize exposure.

#### RESPIRATORY:

If user's operations generate high levels of dusts, fumes or mists and adequate ventilation cannot be provided, use the appropriate NIOSH approved respirator.

# OTHER USE PRECAUTIONS:

For operations where contact can occur, a safety shower and eye wash should be available.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid Odor: Hydrocarbon Color: Off-white

pH: Not Applicable.
Percent Volatile: Not Determined
Vapor Pressure: Not Determined
Vapor Density: Not Determined
Boiling Point: Decomposes
Freezing Point: Not Determined
Melting Point: Not determined
Thermal Decomposition: ≥70°C
Solubility in Water: Insoluble
Evaporation Rate: Not Determined

Specific Gravity: Not Determined

# 10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: .

Prolonged exposure to elevated temperatures.

#### STABILITY:

The Self-Accelerating Decomposition Temperature (SADT) is 70 C (158 F)

#### INCOMPATIBLE MATERIALS:

Oxidizers, strong bases and acids.



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# 11 TOXICOLOGICAL INFORMATION

## ACUTE

Eyes: Specific effects not determined. Related compounds are considered to be irritating. Dermal  $LD_{50}$ : LD50 not determined. Contact may cause skin irritation and/or burns.

Inhalation LC<sub>50</sub>: LC50 not determined. Inhalation is expected to be irritating to the respiratory

Oral LD<sub>50</sub>: LD50 not determined. Ingestion is likely to cause irritation and/or burns.

tract.

# 12. ECOLOGICAL INFORMATION

#### ENVIRONMENTAL DATA:

One or more components of this material may be toxic to aquatic organisms.

# 13. DISPOSAL CONSIDERATIONS

#### RCRA HAZARD CLASS:

This material is considered a RCRA hazardous waste and for its status see section 15.

## 14 TRANSPORT INFORMATION

#### SPECIAL SHIPPING NOTES:

For transport information, contact supplier's HSE department.

# 15 REGULATORY INFORMATION

### UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA Status: All of the components of this product are listed on the TSCA inventory.

#### RCRA STATUS:

Classified as ignitable and reactive.

## OTHER INFORMATION

REASON FOR ISSUE

Product evaluation.



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Approved by: G. Swiech Title: Information Specialist

Approval date: 05/11/1999

REVISION SUMMARY

New MSDS

NFPA CODES

Fire: 3 Health: 1 Reactivity: 3

ADDITIONAL MSDS INFORMATION:

This product is a registered trademark of Akzo Nobel Chemicals Inc.

### MANUFACTURER DISCLAIMER:

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