

Product: **THERPOL RE 90**

CMSDS No.: 059

Date of last review: 01/02/2019

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: *THERPOL RE 90*
Internal identification code: *25000065*
Company Name: *Proquitech Indústria de Produtos Químicos e Repres. Coml. S.A.*
Address: *Rua Ifema, 291 - Vargem Grande Paulista - SP*
Emergency Phone No.: *(11) 4158 8400*
Fax: *(11) 4158 3184*
Homepage: <http://www.proquitech.com.br>

2. HAZARDS IDENTIFICATION

Product effects

Adverse effects to human health: *The product is not expected to cause reversible and/or irreversible damages to health*
Physical and Chemical Hazards: *Toxic vapors and burns (fused material)*
Main symptoms: *Nauseas and vomits. Eye irritation and redness*
Chemical product hazard class: *Product not classified as hazardous*
Classification system used: *Standard ABNT NBR 14725 Part 2: 2009 (corrected version 2: 2010).*
Adoption of the Globally Harmonized System for Chemical Products Classification and Labeling, UN.

Appropriate Labeling Elements:

Word of warning: *Attention*
Danger Phrases: *Can be harmful if swallowed*
Can be harmful if inhaled (fused metal vapors)

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Type: *thermoplastic rubber compound*
Synonyms: *There is not*
Chemistry nature: *Elastomeric Polymers*
Ingredients contributing for the hazard: *Not applicable*

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4. FIRST-AID MEASURES

| | |
|------------------------|---|
| Inhalation: | <i>Does not produce any side effects.</i> |
| Contact with skin: | <i>Does not expected any side effects</i> |
| Contact with the eyes: | <i>Wash the eyes immediately with water for at least 15 minutes and keeping the eyelids open. Remove contact lenses (if applicable). Seek medical care immediately.</i> |
| Swallowing: | <i>Not applicable</i> |

5. FIREFIGHTING MEASURES

| | |
|--|---|
| Appropriate means of extinguishment: | <i>Extinguishers: Foam, Chemical powder, CO2 and water spray.</i> |
| Non-appropriate means of Extinguishment: | <i>Not Applicable</i> |
| Specific hazards related to the Measures: | <i>Not Applicable</i> |
| Special fire-fighting methods: | <i>Use steam filter face mask.</i> |
| Protection of individuals involved in fire-fighting: | <i>Use the PPE necessary for fire-fighting</i> |

6. CONTROL MEASURES FOR SPILLING OR LEAKAGE

| | |
|---------------------------------|---|
| Personal precautions | <i>Use PPE</i> |
| Dust control: | <i>Not applicable (solid)</i> |
| Precautions to the environment: | <i>Prevent the product from getting in contact with the soil, rivers and ponds.</i> |
| Methods for cleaning: | <i>Collect and maintain in a closed package duly identified.</i> |

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7. HANDLING AND STORAGE

Technical measures

Handle the product according to the safety standards established.

appropriate for handling

During material processing, consider the product compatibility with other additives and processes. Be careful when handling the product heated up.

Prevention of exposure to the worker: *Handle according to the safety standards established.*

Wear PPE

Fire and explosion prevention: *Kup in fresh and ventilated place.*

Hygiene measures

Appropriate: *Wash your hands and face after handling.*

Inappropriate: *Do not swallow beverages or foods when handling the product.*

Do not smoke.

Technical measures for storage

Adequate conditions: *Store in dry, fresh and aired location.*

Conditions to be avoided: *Unprotected, humid locations, with high temperatures and without ventilation.*

Technical measures for storage

Recommended: Not data available

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Specific control parameters

Occupational exposure limits: *Not data available*

Engineering control measures: *Not Applicable.*

Appropriate Personal Protective Equipment

Eyes/face protection: *Protection goggles*

Skin and body protection: *Gloves*

Respiratory Protection: *For transport, handling and storage no respiratory protection required.*

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9. PHYSICAL AND CHEMICAL CHARACTERISTICS

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|---|--|
| Physical State | Solid |
| Aspect: | <i>Granulate</i> |
| Odor: | <i>Characteristic</i> |
| Color: | <i>Black</i> |
| pH: | <i>Not Applicable</i> |
| Boiling point: | <i>Not Applicable</i> |
| Evaporation rate: | <i>Not Applicable</i> |
| Flammability: | <i>Not Applicable</i> |
| Flammability limit: | <i>Not Applicable</i> |
| Vapor pressure: | <i>Not Applicable</i> |
| Density g/cm ³ | <i>0,950 +/- 0,05 g/cm³</i> |
| Solubility: | <i>Insoluble</i> |
| N-octanol/water coefficient and partition: | <i>Not Applicable</i> |
| Self-ignition temperature: | <i>Not Applicable</i> |
| Decomposition temperature: | <i>Not Applicable</i> |
| Viscosity: | <i>No data available</i> |

10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|--|
| Reactivity: | <i>No data available</i> |
| Chemical Stability: | <i>Stable in the recommended storage conditions.</i> |
| Conditions to be avoided: | <i>No data available</i> |
| Hazardous decomposition products: | <i>CO, CO₂, Black Smoke</i> |

11. TOXICOLOGIC INFORMATION

| | |
|--------------------------------------|-------------------|
| Acute toxicity: | Not applicable |
| Skin irritation/corrosion: | No data available |
| Serious eye injuries/eye irritation: | |

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|---|--|
| Respiratory or skin sensitization: | <i>No data available</i> |
| Sensitization in germination cells: | <i>No data available</i> |
| Carcinogenicity: | <i>No data available</i> |
| Toxicity to reproduction: | <i>No data available</i> |
| Toxicity for specific target-organs – single exposure: | <i>No data available</i> |
| Toxicity for specific target-organs – repeated exposure: | <i>No data available</i> |
| Hazard due to aspiration: | <i>No data available</i> |
| <i>Exposure routes:</i> | <i>Ingestion</i> |
| <i>Specific effects:</i> | <i>During the material transformation process, adopt adequate ventilation and exhaustion measures.</i> |

12. ECOLOGIC INFORMATION

Environmental effects, behavior and impacts of the product:

| | |
|----------------------------|--|
| Ecotoxicity: | Not determined |
| Degradability persistence: | <i>No data available</i> |
| Other adverse effects: | Soil and water contamination if exposed to the environment. Not Bio degradable .Recyclable material |

13. CONSIDERATIONS ON THE FINAL DESTINATION

Methods recommended for treatment and disposal applied to: according to ABNT 10004 standard, solid residues (classification) and rubber (A008) are classified as a residue class IIB (inert). When into compounds it can be recycled.

| | |
|----------------|--|
| Product waste: | <i>Keep residues of the product in its original packages and duly closed. Disposal must be made according to the local laws in effect.</i> |
| Used package: | <i>Packages may be recycled.</i> |

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14. INFORMATION ON TRANSPORTATION

National and international regulations

UN Number: *Not classified*
Appropriate name for shipment: *Non-applicable*
Risk class/main risk subclass: *Non-applicable*
Risk number: *Non-applicable.*
Package group: *Non-applicable*
Hazard to the environment: *Non-applicable.*
Product not classified as hazardous for transportation (land, air or sea).

15. INFORMATION ON REGULATIONS

Standard ABNT NBR 14725-2:2009 – Corrected version 2010

Standard ABNT NBR 14725-4:2014

16. OTHER INFORMATION

This CMSDS was elaborated based on the current knowledge about the chemical product and provides basic information regarding protection, safety, health and the environment.

We warn you that the handling of any chemical substance requires the previous knowledge of its hazards by the user. The company using the product is responsible for promoting the training of its employees and contractors as to the possible risks resulting of the *product*.