

Product: **FLUXTEC 32**

CMSDS No.: 007

Date of last review: 05/16/2016

Pages: 1 of 7

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: *Fluxtec 32*
Internal identification code: *03000010*
Company Name: *Proquitec 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.proquitec.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: *Mixture*
Chemical Name: *Fatty acids-derived soap*
Concentration range: *94<%<98*
Ingredients contributing for the hazard: *This mix does not have in its formulation ingredients classified as hazardous*

4. FIRST-AID MEASURES

Product: **FLUXTEC 32**

CMSDS No.: 007

Date of last review: 05/16/2016

Pages: 2 of 7

Inhalation:	<i>In the solid form, does not produce any side effects, and when in fusion, the vapors can cause irritation. Go to an aired location. Should symptoms persist, seek medical care.</i>
Contact with skin:	<i>In the solid form, remove contaminated clothes and shoes and wash the location with plenty of running water. Should burns occur due to contact with fused material, cool the affected area as soon as possible. Do not attempt to detach the material from skin. Seek medical care immediately.</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>Wash your mouth with plenty of water. Never administer anything orally to an unconscious individual. We estimate that the material must not be absorbed by the gastrointestinal tract, and, therefore, inducing vomit is not necessary. In case of indisposition, seek medical care.</i>
Most important symptoms and effects, acute or late:	<i>No data available</i>
Notes for the Physician:	<i>Symptomatic Treatments</i>

5. FIREFIGHTING MEASURES

Appropriate means of extinguishment:	<i>Extinguishers: Foam, Chemical powder, CO2 and water spray.</i>
Non-appropriate means of extinguishment:	<i>Avoid using direct water jets on the incandescent molten material, for it may spread.</i>
Specific hazards related to the measures:	<i>The product melts close to the fire, making the floor slippery. The combination of static electricity may fire combustible atmospheres. May release irritating gasses (carbon monoxides and dioxides).</i>
Special fire-fighting methods:	<i>Should extreme heating of packages occur, cool them with a water haze jet.</i> <i>Protection of individuals involved in fire-fighting: Use the PPE necessary for fire-fighting.</i>

Product: **FLUXTEC 32**

CMSDS No.: 007

Date of last review: 05/16/2016

Pages: 3 of 7

6. CONTROL MEASURES FOR SPILLING OR LEAKAGE

Personal precautions

Dust control:	<i>Avoid rough handling.</i>
Prevention of inhalation and contact with skin, mucosa and eyes:	<i>Keep the location ventilated. Avoid contact with skin, mucous and eyes. Wear protective mask, gloves, safety goggles and coat.</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>
Prevention of secondary hazards:	<i>Keep the product protected from the heat and away from any source of ignition.</i>
Difference in the action of large and small leakages:	<i>The same actions are preconized for large and small leakages.</i>

7. HANDLING AND STORAGE

Technical measures appropriate for handling

Prevention of exposure to the worker:	<i>Handle according to the safety standards established.</i>
Wear PPE	
Fire and explosion prevention:	<i>Minimize the formation and accumulation of dust. Ground equipment when handling it. Do not smoke. Take measures against the accumulation of electrostatic loads. Keep it at a fresh, ventilated location, without exceeding a temperature of 50 °C.</i>

Hygiene measures

Appropriate:	<i>Wash your hands and face after handling. Contaminated clothes must be changed and washed prior to reuse.</i>
Inappropriate:	<i>Do not swallow beverages or foods when handling the product.</i>
Do not smoke.	

Technical measures for storage

Adequate conditions:	<i>Use the FIFO system. Store on pallets at a covered, dry, fresh and aired location.</i>
Conditions to be avoided:	<i>Unprotected, humid locations, with high temperatures and without ventilation.</i>

Product: **FLUXTEC 32**

CMSDS No.: 007

Date of last review: 05/16/2016

Pages: 4 of 7

Technical measures for storage

Recommended: Plastic or paper (Kraft) bags.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Specific control parameters

Occupational exposure limits: *No occupational exposure limits are established for this product.*

Engineering control measures: *Promote ventilation and exhaustion system: We recommend emergency showers and eye-washers in the workplace.*

Appropriate Personal Protective Equipment

Eyes/face protection: *Protection goggles used in all cases of industrial operations. Avoid wearing contact lenses when handling the product.*

Skin and body protection: *Protective clothing adapted to the handling of chemical products.
Impermeable PVC gloves. If fused, wear thermal gloves.*

Respiratory Protection: *No specific respiratory protection equipment is demanded, however, we recommend the use of the product in situations which allow free inhalation, except with the use of the approved respiratory mask available at the work environment.*

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Aspect: *Beige Granulate*

Odor: *Characteristic*

pH: *No data available*

Softening temperature: *Above 95 °C*

Boiling point: *No data available*

Flash point: *Above 160 °C*

Evaporation rate: *No data available*

Flammability: *No data available*

Product: **FLUXTEC 32**

CMSDS No.: 007

Date of last review: 05/16/2016

Pages: 5 of 7

Flammability limit:	<i>No data available</i>
Vapor pressure:	<i>No data available</i>
Vapor density:	<i>No data available</i>
Relative density:	<i>1.080 g/cm³</i>
Solubility:	<i>Insoluble in water. Soluble in common organic solvents</i>
N-octanol/water coefficient and partition:	<i>No data available</i>
Self-ignition temperature:	<i>No data available</i>
Decomposition temperature:	<i>No data available</i>
Viscosity:	<i>No data available</i>

10. STABILITY AND REACTIVITY

Reactivity:	<i>The product has no metallic corrosion properties and presents no risk of explosion.</i>
Chemical Stability:	<i>Stable in the recommended storage conditions.</i>
Conditions to be avoided:	<i>Keep away from sources of heat and ignition.</i>
Hazardous decomposition products:	<i>Produces toxic gasses of carbon monoxides and dioxides, organic vapors and ethane.</i>

11. TOXICOLOGIC INFORMATION

Acute toxicity:	<i>LD50 (oral, rats): >5000 mg/kg</i>
Skin irritation/corrosion:	<i>No data available</i>
Serious eye injuries/eye irritation:	<i>No data available</i>
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>

Product: **FLUXTEC 32**

CMSDS No.: 007

Date of last review: 05/16/2016

Pages: 6 of 7

Toxicity for specific target-organs
– single exposure: *No data available*

Toxicity for specific target-organs
– repeated exposure: *No data available*

Hazard due to aspiration: *No data available*

12. ECOLOGIC INFORMATION

Environmental effects, behavior and impacts of the product:

Ecotoxicity: *No adverse events to the environment known.*

Degradability persistence: *We estimate it presents a low potential to affect aquatic organisms, microorganisms of secondary treatments of residues, as well as germination and initial stage of plants growth. We expect it not to be biodegradable and it is probable that it is subject to bioconcentration.*

Mobility on the soil: *Product insoluble in water. We estimate it not to be harmful to the environment.*

Other adverse effects: *Product insoluble in water. However, we estimate it not to be harmful to the environment.*

13. CONSIDERATIONS ON THE FINAL DESTINATION

Methods recommended for treatment and disposal applied to:

Product waste: *Keep residues of the product in its original packages and duly closed. Disposal must be made according to the local laws in effect. Do not dispose of this product in water streams.*

Used package: *Uncontaminated packages may be recycled. Contaminated packages must be disposed of according to the laws in effect.*

14. INFORMATION ON TRANSPORTATION

National and international regulations

UN Number: *Not classified*

Product: **FLUXTEC 32**

CMSDS No.: 007

Date of last review: 05/16/2016

Pages: 7 of 7

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*.