

Fresh orange slurry

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY

Product: NMISA-PT-ORG29 Round 1 Proficiency testing scheme orange sample

Supplier: National Metrology Institute of South Africa (NMISA)
Building 6 CSIR Campus, Meiring Naude Drive, Brummeria, Pretoria, 0184

Telephone: +27 (0)12 841 3359 (7.30am to 4.30pm) **Fax:** +27 (0) 86 509 5996
+27 (0) 72 266 7113 (Emergency) **Email:** lquinn@nmisa.org

Samples are for Proficiency Testing purposes and are for laboratory use only

2. IDENTIFICATION OF HAZARDS

Potential Acute Health Effects:

May cause irritation to skin and eye on contact. Non-corrosive for skin. Skin sensitization may occur on skin contact. Non-permeator by skin. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs.

Potential Chronic Health Effects:

Non-corrosive for skin. Non-long term irritant for skin. Skin sensitization may occur on skin contact, long term exposure data not available. Non-permeator by skin. Irritating to the eyes on contact, long term exposure data not available. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs. Non-corrosive to the eyes. Non-corrosive for lungs.

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: Orange Fruit Pulp >98% CAS# : Not applicable

4. FIRST-AID MEASURES

Eye Contact: Immediately rinse opened eye for several minutes under running water. Rinse cautiously for several minutes, retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Remove contact lenses, if present and easy to do. Continue rinsing. Then consult a doctor.

Skin Contact: Wash with soap and water and rinse thoroughly.

Serious Skin Contact: Not available.

Inhalation: Not applicable.

Serious Inhalation: Not available.

Ingestion: Not Applicable

Serious Ingestion: Not available.

5. FIRE-FIGHTING MEASURES

Flammability of the Product: Non-flammable; material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable; boiling point 120 – 121°C.

Flammable Limits: Not applicable.

MATERIAL SAFETY DATA SHEET



Products of Combustion: In case of fire, the following can be released: Hazardous vapours, Carbon Dioxide, Carbon Monoxide.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances: Not Applicable

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

7. HANDLING AND STORAGE

Precautions: No specific safety phrase has been found applicable for this product.

Storage: Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Not Applicable

Personal Protection: Safety glasses. Lab coat.

Personal Protection in Case of a Large Spill: Not Applicable

Exposure Limits: Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Liquid.

Odour: Slurry of fresh orange with orange odour

Taste: A slurry of fresh oranges with orange taste

Colour: Yellow.

Molecular Weight: Not Applicable

Octanol/Water Partition Coefficient: 4.1 - 9.3 at 25°C 4.7

pH: 3.3 – 4.2 [Acidic]

Boiling Point: 120 – 121°C.

Critical Temperature: Not available.

Vapor Pressure: Not available

Volatility: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available

Melting Point: Not available.

Specific Gravity: Not available

Density at 25°C: 0.975-1.2 g/cc

Odour Threshold: Not available.

Solubility: Not available

10. STABILITY AND REACTIVITY

Stability: Stable when stored in accordance with the recommended storage conditions.

Reactivity: Presents no significant reactivity hazard, by itself, or in contact with water.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Not available.

Special Remarks on Reactivity: No dangerous reactions known. Not expected under normal conditions of use.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Please note: This mixture has not been tested as a whole for health effects. The health effects have been assessed using previously published data.

Acute Toxicity (LD/LC50) Values Relevant For Classification: Calculated LD50: 1.2 - 1.7 g/kg

Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: 3471.45 - 4209.26

Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: 9398.1 - 14159.34

Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not available

Inhalation Route: Not available

Routes of Entry: Absorbed through skin; eye contact and ingestion

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans

May cause irritation to skin and eye on contact. Non-corrosive for skin. Skin sensitization may occur on skin contact. Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs. Non-corrosive to the eyes. Non-corrosive for lungs.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16. OTHER REGULATORY INFORMATION

Federal and State Regulations:

TSCA Status & Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture: all known components in this product are on the TSCA Inventory.

None Additional.

Legal Disclaimer:

The Information in this material safety data sheet (MSDS) has been prepared with due care and is true and accurate to the best of our knowledge. The user must determine the suitability of the information for its particular purpose, ensure compliance with existing laws and regulations and be aware that other or additional safety or performance considerations may arise when using, handling and/ or storing the material. The information in this MSDS does not purport to be all inclusive or a guarantee as to the properties of the material supplied, and should be used only as a guide. NMISA makes no warranties or representations as to the accuracy and completeness of the information contained herein, shall not be held responsible for the suitability of this information for the user's intended purposes or the consequences of such use, and shall not be liable for any damage or loss, howsoever arising, direct or otherwise.

MSDS Reference source: ScienceLab.com