

PRODUCT SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION:

Product Name:	SPP-100
Supplier:	LNT Solutions Ltd

2. PRODUCT COMPOSITION / INFORMATION ON INGREDIENTS:

A blend of chlorides, formates and naturally forming rock, with an anti-dust agent. A complete disclosure will be provided to medical personnel in the event of a medical emergency.

3. HAZARD IDENTIFICATION:

The product is not subject to classification
Possibly irritating to eyes
The product is not classified as an environmental hazard.

4. FIRST AID MEASURES:

Skin Contact:	If skin becomes irritated, wash thoroughly with soap and water.
Eye Contact:	Flush immediately with lukewarm water for at least 15 minutes. Consult a medical practitioner if discomfort continues.
Ingestion:	Rinse mouth thoroughly and give large amounts of milk or water to drink. Get medical advice immediately.
Inhalation:	Flush mouth, nose and throat with lots of water. Get medical advice if discomfort persists.
General	General first aid. Move to fresh air, keep the patient warm and at rest.

5. FIRE FIGHTING MEASURES:

Extinguishing methods: Use dry powder or carbon dioxide. Water jet might be used by professional fire fighters.

Fire and explosion hazards: Toxic fumes are emitted upon heating. At temperatures greater than 160°C toxic chloride gases are evolved.

Personal protective Equipment: Generally: Evacuate all persons. Use self-contained breathing apparatus when product is involved in fire.

Other Information:	The fire should be extinguished from a safe place Containers exposed to flames can be cooled with water. Move containers if possible without any risk.
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6. ACCIDENTAL RELEASE:

Personal Precautions:	Ensure good ventilation. Avoid spillage, skin and eye contact. Use protective equipment as described in section 8.
Environmental Precautions:	Avoid excessive emissions (> 10 tonnes) to water or drains. Inform appropriate authorities if large amounts are involved.
Methods for cleaning:	Avoid dust formation during collection. Containers should be labelled with the product's name and ingredients and disposed off in accordance with section 13.

7. HANDLING AND STORAGE:

Handling:	Ensure good local ventilation. Use protective equipment as described in section 8.
Storage:	Store cool and dry, apart from strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Occupational exposure controls:	Avoid procedures that crush product to dust. Ensure good ventilation. Wash hands after working with the product.
Skin Protection:	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Eye Protection:	Wear eye protection if there is a possibility of eye contact.
Hand Protection:	Use protective gloves of impervious material e.g rubber or plastic.

9. PHYSICAL & CHEMICAL PROPERTIES:

Physical state:	Granular/flakes
Colour:	Mixed white granules in brown flakes.
Solubility in water:	Readily soluble with brown granular insolubles of limestone.
pH (aqueous solution):	Contact Basic Solutions

10. STABILITY & REACTIVITY:

Conditions to avoid:	Avoid: Heat, sparks, flames
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Hazardous decomposition products:	Fire or strong heat will cause decomposition into: Toxic fumes of Na_2O . Hydrogen. Carbon monoxide (CO), hydrogen chloride, chlorine and ClOx . Reacts with strong acids, forming corrosive formic acid.
Stability:	Stable during normal conditions

11. TOXICOLOGICAL INFORMATION:	
Acute Toxicity	LD_{50} 3,000 mg/kg (rat)
Inhalation: of the	Upper respiratory irritation: signs / symptoms can include soreness of the nose and throat, coughing and sneezing.
Ingestion:	Nausea. Abnormal cramps, vomiting.
Eye contact:	Redness, pain. Tearing and impaired vision

12. ECOLOGICAL INFORMATION:	
Mobility:	The product is very soluble in water
Persistence & degradability:	The product is biodegradable
Ecotoxicity	$\text{LC}_{50} > 1,000$ mg/l. 96 hrs (fish)

13. DISPOSAL CONSIDERATIONS:	
Methods of disposal : Empty containers or liners may retain some product residues. Dispose of in accordance with all applicable local and national regulations.	
The product is classified as non-hazardous waste.	

14. TRANSPORT INFORMATION:	
Not classified as dangerous goods.	

15. REGULATORY INFORMATION:	
Classification:	Not classified
R Phrases:	None
S Phrases:	S22 Do not breathe dust S24/25 Avoid contact with skin and eyes S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Applicable Legislation:

Health and safety at work act 1974 (HSWA): Environmental Protection Act 1990: COSHH Regulations 1994: CHIP Regulations 1994

16. OTHER INFORMATION:

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not, therefore, be construed as guaranteeing specific properties.

**LNT Solutions Ltd, TEL: (+44) 0113 385 3855
05/07**