



SAFETY DATA SHEET

Willow chip, Salix (product Latin name)

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1. STATEMENT OF HAZARDOUS NATURE

PRODUCT NAME: *Willow chip, salix (latin name)*
OTHER NAME: *Salix (latin name)*
DANGEROUS GOOD CLASS AND SUBSIDIARY RISK: *No dangerous goods class allocated*
POISON SCHEDULE: *Nil*
USE: *For use in chip burning appliances, heating systems*

2. PHYSICAL AND CHEMICAL DESCRIPTION

APPEARANCE/FORM: *Cellulose material*
COLOUR: *Tan*
ODOUR: *Slight wood scent*
BOILING/MELTING POINT: *Not applicable*
VAPOUR PRESSURE: *Not applicable*
SOLUBILITY ON WATER: *Insoluble*
LIGNIN: *18 – 35%*
CARBOHYDRATE: *65 – 75%*
CALCIUM: *0.7 ppt (parts per thousand)*
POTASSIUM: *0.3 ppt*
MAGNESIUM: *0.18 ppt*
PHOSPHORUS: *0.15 ppt*
MANGANESE: *0.03 ppt*
IRON: *10 ppm (parts per million)*
COPPER: *4 ppm*
ZINC: *20 ppm*
pH: *Neutral (pH 7)*
CARBON: *~ 45 %*
HYDROGEN: *~ 5 %*
OXYGEN: *~ 48 %*
NITROGEN: *<1 %*
SULPHUR: *~0.0762 %*

3. HEALTH HAZARD INFORMATION AND FIRST AID

Possible effect

Wood chip contains no material classified as hazardous. Injury in the form of mechanical abrasion to the skin, eyes or respiratory system is possible.

Swallowed: No evidence for humans of any acute effects should the product be swallowed. **First aid:** *Rinse mouth thoroughly with water. Do not induce vomiting.*

Inhaled: Exposure to dust represents very little danger to healthy individuals. Dust particles may compromise the respiratory system in individuals who have respiratory conditions. The likely danger is mechanical abrasion or blockage to mucous membranes. **First aid:** *Remove to fresh air or ventilated area if required.*

Skin contact: May cause mild irritation to sensitive or damaged skin through mechanical abrasion. **First aid:** *Remove contaminated clothes and rinse thoroughly with water.*

Eye contact: May cause mild irritation & redness through mechanical abrasion. **First aid:** *Flush with copious quantities of water for at least 15 minutes. Seek medical attention if required.*

Advice to Doctor: Treat symptomatically.

4. SAFE HANDLING AND STORAGE

Storage: Bulk **Separation:** Nil. **Temperature:** Nil. **Climate:** Nil. **Bunding:** Nil.

Reactivity: None known. This product is not suitable for use on products that are considered strong oxidisers, alkalis or acids.

Other: Protection from weather. Store in temperatures of between 0-45 degrees Celsius. Keep dry. **Transport:** No special transport requirements.

Spillage and leakage procedures: Material is biodegradable and may be incinerated. Sweep up spilled material.

Waste Disposal: This material must be disposed of in accordance with local regulations taking into consideration any absorbed material it may contain.

Fire/Explosive Hazard: Treat in the same manner as any combustible cellulose material. Wood willow chip will burn when exposed to heat and air. Smoke presents potential hazards because it contains noxious and toxic substances. Extinguish by water, spray or foam.

5. CLASSIFICATION

This chip conforms to CEN-TS-335 P45 M20 A1.5

The chip is passed through a 45mm screen and a **Moisture Content** <20% and **Ash Content** <1.5

As it is not possible to predict every possible situation and use of this product, users are encouraged to contact Rural Generation Ltd should they have any questions regarding the safe application of this product.