AGBOSS GROUP PTY LTD.
64 CATHERINE CRESCENT
LAVINGTON NSW 2641, AUSTRALIA

**MATERIAL SAFETY DATA SHEETS**



## CLASSIFICATION OF MATERIAL

**Classified as hazardous.**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**PRODUCT IDENTIFIER**
Kilsoot

**RECOMMENDED USE**
Chimney & flue cleaner

**SUPPLIER**
AgBoss Group P/L (ABN 11 180 457 63)

**ADDRESS**
64 Catherine Crescent, Lavington NSW 2641, Australia

**TELEPHONE NUMBER**
02 6049 0300 (Australia)

**FAX**
02 6049 0340 (Australia)

**EMERGENCY CONTACT NUMBERS**
02 6049 0300 (Australia. Weekdays 9.00am to 4.00pm)
Poisons Information Centre Australia: Phone 13 1126
Poisons Information Centre New Zealand: Phone 0800 764 766

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATION**
Flammable Solids: Cat 2, Skin Corrosion/Irritation: Cat 2, Oxidising Solids: Cat 3.

**SIGNAL WORD(S)**
WARNING

**HAZARD STATEMENT**
H272 May intensify fire, oxidiser. H228 Flammable solid. H315 Causes skin irritation. H319 Causes serious eye irritation.

**PICTOGRAM(S)**
Exclamation mark, Flame, Flame over circle.

**PRECAUTIONARY STATEMENT - PREVENTION**
P102 Keep out of reach of children.
P103 Read label before use.
P104 Read Safety Data Sheet before use.
P210 Keep away from heat/sparks/open flames/hot surfaces - NO SMOKING.
P264 Wash throughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**PRECAUTIONARY STATEMENT - RESPONSE**
P302+P352 IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 IF IN EYES: Rinse cuatiously with water for several minutes. Remove contact lenses, keep rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P370+P378 In case of fire: Use dry chemical, Co2, water spray or foam.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**CHEMICAL CHARACTERIZATION**
Solid

**INGREDIENTS**

| NAME | CAS: | PROPORTION: | HAZARD SYMBOL: | RISK PHRASE: |
|---|---|---|---|---|
| Sulfur | 7704-34-9 | * | Xi, F | R36/38, R11 |
| Sodium | 7631-99-4 | * | | |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

**INHALATION**
If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**INGESTION**
Rinse mouth throughly with water immediately. Give plenty of water to drink. Do not induce vomiting. Seek medical attention.

**SKIN**
Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek immediate medical advice.

**EYE CONTACT**
Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.

**FIRST AID FACILITIES**
Maintain eye wash fountain and safety shower in work area.

**ADVICE TO DOCTOR**
Treat symptomatically and consult Poisons Information Centre.

**OTHER INFORMATION**
For advice, contact the Poisons Information Centre Australia: Phone 13 1126 or Poisons Information Centre New Zealand: Phone 0800 764 766 or a doctor.

## 5. FIRE FIGHTING MEASURES

**HAZARDS FROM COMBUSTION PRODUCTS**
Liberates toxic fumes in fire (sodium & nitrogen oxides, sulfur oxides, hydrogen sulfide gas)

**SPECIFIC MEASURES**
Small fire: Use copious quantities of water.
Large fire: Flood fire area with water from a safe position.
If safe to do so, move undamaged containers from the fire area. Coll containers with flooding quantities of water until well after fire is out.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**
May ignited by friction, heat, sparks or flame. Vapours, dust, borings or turnings may form combustible mixtures with air. May burn fiercely. May re-ignite after fire is extinguished. Fire may produce irritating, poisonous and/or corrosive gases. Containers may explode when heated. Runoff may pollute waterways. May be transported in a molten form. Solids may melt and flow when heated or involved in a fire.

**HAZCHEM CODE**
1Z

**PRECAUTIONS IN CONNECTION WITH FIRE**
Wear SCBA and chemical splash suit. Structural firefighters uniform may provide limited protection.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILLS & DISPOSAL**
Eliminate all ignition sources (no smoking or flames) within at least 15m. Do not touch or walk through spilled material. Prevent entry into waterways, drains or contained areas. Obtain expert advice on the use of water as spilled material may be water reactive. Prevent dust cloud. Use clean non-sparking tools to collect absorbed material and place it into loosely covered metal or plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.

**PERSONAL PRECAUTIONS**
Avoid substance contact. Avoid generation of dusts. Do not inhale dusts. Ensure supply of fresh air in enclosed rooms. Evacuate the area of all non-essential personnel.

**PERSONAL PROTECTION**
Wear protective clothing specified for normal operations (see Section 8).

**CLEAN UP METHOD - SMALL SPILLAGE**
Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

**CLEAN UP METHOD - LARGE SPILLAGE**
Seek expert advice on handling and disposal.

## 7. HANDLING AND STORAGE

**CONDITIONS FOR SAFE HANDLING & STORAGE INCLUDING ANY INCOMPATIBILITIES**
Store away from sources of heat or ignition. Store away from combustionable materials. Store in well ventilated area. Store in cool dry place out of direct sunlight. Avoid contact with incompatible materials that support combustion such as strong oxidising agents. Keep containers securely sealed and protected against physical damage.

**OTHER INFORMATION**
Wear protective clothing specified for normal operations (see Section 8). Wash hans ad face throughly after working with material. Refer Australian Standard AS 4326-1995 ‘The Storage & Handling of Oxidising Agents’.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**OTHER EXPOSURE INFORMATION**
No exposure standards have been established for this product by Safe Work Australia. Eliminate all ignition sources (no smoking or flames) within at least 15m. Do not touch or walk through spilled material. Prevent entry into waterways, drains or contained areas. Obtain expert advice on the use of water as spilled material may be water reactive. Prevent dust cloud. Use clean non-sparking tools to collect absorbed material and place it into loosely covered metal or plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.

**APPROPRIATE ENGINEERING CONTROLS**
Avoid substance contact. Avoid generation of dusts. Do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

**RESPIRATORY PROTECTION**
Wear protective clothing specified for normal operations (see Section 8). Avoid breathing dust. Respiratory protection should comply with AS 1716 and selected in accordance with AS 1715.

**EYE PROTECTION**
Use a face shield or chemical goggles with side protection. Must comply with AS 1337 and used in accordance with AS 1336.Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

**HAND PROTECTION**
Wear gloves of impervious material conforming to AS/NZS 2161. Seek expert advice on handling and disposal.

**HYGIENE MEASURES**
Always wash hands before smoking, eating, or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Form** | Solid |
| **Appearance** | Yellow and white/transparent granules. |
| **Odour** | Odorless. |
| **Melting Point** | 113-308º C |
| **Boiling Point** | 380-445º C |
| **Solubility in Water** | Soluble |
| **Solubility in Organic Solvents** | Soluble in glycerol, toluene, carbon disulfide, carbon tetrachloride and benzene. |
| **Specific Gravity** | 1.96 - 2.26 |
| **pH** | 5.5 - 8.0 (5% solution) |
| **Vapour Pressure** | 0.01 hPa (20º C) |
| **Vapour Density (Air=1)** | 8.9 |
| **Flash Point** | 160º C closed cup. |
| **Flammability** | Flammable solid category 2. |
| **Auto-Ignition Temperature** | 235º C |
| **Explosion Limit - Upper** | 40% vol |
| **Explosion Limit - Lower** | 1% vol |
| **Explosion Properties** | Not tested |
| **Molecular Weight** | 32.06 - 84.99 |
| **Other Information** | No other information available. |

## 10. STABILITY AND REACTIVITY

**REACTIVITY**
Risk of dust explosion.

**CHEMICAL STABILITY**
Stable under normal use conditions.

**CONDITIONS TO AVOID**
Exposure to moisture, heat, flames, ignition sources and incompatibles. Shock sensitive.

**INCOMPATIBLE MATERIALS**
Alkali metals, metallic oxides, oxidizing agents, ethers, chlorates, nitrates, perchlorates, aluminium oxide, boron phosphide, jute, wood, strong acids and permanganates. (list may not be complete)

**HAZARDOUS DECOMPOSITION PRODUCTS**
Sulphur oxides, oxides of nitrogen.

**POSSIBILITY OF HAZARDOUS REACTIONS**
Can react violently with halogens, carbides, zinc, uranium, sodium, lithium. Reacts with acids liberating toxic fumes of nitrogen dioxide. (list may not be complete)

**HAZARDOUS POLYMERIZATION**
Will not occur.

**OTHER INFORMATION**
Transitions temperature, between alpha and beta crystalline forms is ~95º C. The conversion is slow.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY - ORAL**
LD50 (rat): >3430 mg/kg

**ACUTE TOXICITY - DERMAL**
LD50 (rabbit): >2000 mg/kg

**ACUTE TOXICITY - INHALATION**
LC50 (rat): >9.23 mg/l/4 h.

**INGESTION**
May be harmful if ingested.

**INHALATION**
May be harmful if inhaled.

**SKIN**
May cause irritation, rash, redness, pain and dermatitis.

**EYE**
Contact causes irritation to the eyes.

**CARCINOGENICITY**
No evidence of carcinogenic properties.

**CHRONIC EFFECTS**
Chronic exposure may lead to irritation of mucous membranes, chronic bronchitis, emphysema and bronchial asthma.

**SERIOUS EYE DAMAGE/IRRITATION**
Eye irritation (human): 8 ppm.

**MUTAGENICITY**
No evidence of mutagenic properties.

## 12. ECOLOGICAL INFORMATION

**ACUTE TOXICITY - FISH**
Not available

**ACUTE TOXICITY - DAPHNIA**
Not available

**ACUTE TOXICITY - BACTERIA**
Not available

**ACUTE TOXICITY - OTHER ORGANISMS**
Not available

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL CONSIDERATIONS**
Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal regulations.

## 14. TRANSPORTATION INFORMATION

| | |
|---|---|
| **TRANSPORT INFORMATION UN NUMBER** | Not available |
| **UN PROPER SHIPPING NUMBER** | Not available |
| **UN PROPER SHIPPING NAME** | Not available |
| **TRANSPORT HAZARD CLASS(ES)** | 5.1 |
| **HAZCHEM CODE** | 1Z |
| **PACKAGING METHOD** | Not available |

**PACKAGING GROUP** Not available

**EPG NUMBER** Not available

**IERG NUMBER** Not available

## 15. REGULATORY INFORMATION

**REGULATORY INFORMATION**
Not available

**POISONS SCHEDULE**
Not scheduled.

## 16. OTHER INFORMATION

**DATE OF PREPARATION OR LAST REVISION OF SDS**
June 2020

**LITERATURE REFERENCES**
Not available

**CONTACT PERSON/POINT**
AgBoss Technical Department. Phone: 02 6049 0300 or Email: info@agboss.com.au

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