

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Boom Clean
Synonyms: -
Product Type: Agricultural boom tank cleaner

Company Name: Hi-Tech Ag Solutions
 24 Shanahan Road (PO Box 5351)
 Davenport WA 6230 Australia

Phone: 08 9725 7322

Emergency Contact: Terry Kneale
After Hours Chief Executive Office
 0499 944 099

Date of Issue: 16th July 2019

2. HAZARDS IDENTIFICATION

Hazard Classification: **HAZARDOUS** according to the criteria of the Globally Harmonised System of classification and labelling of chemicals (GHS)

Dangerous goods classification according to the Australia Dangerous Goods Code.

Hazard Category C Corrosive

GHS Classification: Corrosive to Metals – Cat 1
 Acute Oral Toxicity – Cat 4
 Skin Corrosion – Sub category 1 A
 Serious Eye Damage/Irritation – Cat 1

Label Elements:



Signal Word: Danger

Hazard Statement: H290 – May be corrosive to Metals
 H302 – Harmful if swallowed
 H314 - Causes Severe skin burns and eye damage

Precautionary Statement(s): P260 - Do not breathe vapours.
 P270 – Do not eat, drink or smoke when using this product.
 P280 - Wear protective gloves/protective clothing, eye protection/face protection.

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Response: P301+P330+P331 - IF SWALLOWED rinse mouth. Do not induce vomiting.
 P303+P361+P353 – IF ON SKIN (OR HAIR) – Take off immediately all contaminated Clothing. Rinse with water/shower
 P363 – Wash contaminated clothing before re-use.
 P304+P340 – IF INHALED remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 – IF IN EYES rinse cautiously with water for several minutes. Remove contact lense, if present and easy to do, continue rinsing.
 P310 – Immediately call doctor
 P363 – Wash contaminated clothing before reuse
 P390 – Absorb spillage to prevent damage.

Storage: P405 - Store locked up,
 P406 – Store in a corrosive resistant container with resistant inner liner.

Disposal: P501 - Dispose of contents/container according to applicable local and state government regulations.


3. INFORMATION ON INGREDIENTS


Chemical Entity	Formula	CAS Number	Proportion
Potassium hydroxide	HKO	1310-58-3	20 – 30%
Water	H ₂ O	7732-18-5	BALANCE %

4. FIRST AID MEASURES

Inhalation: Remove victim from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give Oxygen. Seek medical attention.

Ingestion: Do not induce vomiting. Wash mouth thoroughly with water. Give water to drink if person is conscious. Seek medical attention immediately.

Skin Contact:  Take off contaminated clothing. Wash skin off immediately with plenty water for 15 to 20 minutes. Seek medical attention. Wash clothes before reuse. If burned, treat as burn by acid.

Eye:  Rinse with plenty of clean water for 15 minutes, seek immediate Medical attention.

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First Aid Facilities: Eyewash and normal washroom facilities

Advice to Doctor: Symptoms may be delayed – Medical observation and assessment is recommended for all exposures. Treat Symptomatically. Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved, and take precaution to protect themselves.

Medical conditions aggravated by exposure: May Aggravate pre-existing eye, skin and respiratory conditions (including asthma and other breathing)

Other Information: For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126 or a doctor at once.

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5. FIRE FIGHTING MEASURES

Hazards from Combustion: **Non-combustible material.**

Specific Hazards: This product is non-combustible.

Precautions in connection with Fire: Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

Hazchem Code: 2W

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Slippery when spilt. Clear area of all unprotected personnel. Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. Contain using sand and soil – prevent runoff into drains and waterways. For small spills, hose away with copious amounts of water. Use absorbent (soil, sand inert material, vermiculite). Collect and seal in properly labelled containers for disposal. Dispose of waste according to the applicable local and national regulations.

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If contamination of sewers or waterways occurs, inform the local water and waste management authorities in accordance with local regulations.

Clean Up Procedures:

When saturated, collect material and transfer to a suitable, labelled, dry chemical-waste containers and dispose of promptly as hazardous waste. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Use only in a well ventilated area.
 Keep containers sealed when not in use.
Do not store in aluminium or galvanized containers or use die-cast zinc or aluminium bungs. Plastic or steel bungs should be used.
 Prevent the build-up of mists or vapours in the work atmosphere.
 Avoid inhalation of vapours and mists, and skin, eye or clothing contact.
 Remove clothing if product gets inside, then wash thoroughly and out on clean clothing.
 Remove Personal Protective Equipment (PPE) Immediately after handling this product, wash outside of gloves and as soon as possible was thoroughly and change into clean clothing.
 Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, and smoking or using toilet facilities.

Conditions for Safe Storage:

Store in a cool, dry, well-ventilated area, out of direct sunlight and reach of children.
 Store in original, labelled containers. Keep containers closed when not in use.
 Ensure that storage conditions comply with applicable local and national regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:

No exposure value assigned for this specific material

Biological Limit Values:

No biological limits allocated.

Engineering Controls:

Use with good general ventilation.

Eye Protection:



Safety glasses with side shields or chemical goggles should be worn. An emergency eyewash or water supply should be readily accessible to the work area.
 Final choice of appropriate eye/face protection will vary according to individual circumstances.
 Eye protection devices should conform to Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

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Hand Protection:



Wear gloves of impervious material

Body Protection:

To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes, chemical resistant apron in recommended where large quantities are handled, and chemical resistant gloves. And emergency shower or water supply should be readily accessible to the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Thin Liquid
Odour:	Nil
Melting Point:	N/A
Boiling Point:	>100° C
Solubility in Water:	Completely soluble – 100%
Specific Gravity:	1.19 – 1.29
pH Value	14
Vapour Pressure:	N/A
Vapour Density (Air=1):	N/A
Colour:	clear
Flash Point:	N/A
Flammability:	Not flammable
Auto-Ignition Temperature:	N/A
Flammable Limits Lower:	N/A
Flammable Limits Upper:	N/A

Note: Physical data typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

10. STABILITY AND REACTIVITY

Chemical Stability: Shelf Life – Boom- Clean, when stored in a cool area is a stable product and will not deteriorate within a reasonable time. Avoid conditions of heat and freezing. Product is stable under normal conditions of use, storage and temperature. Corrosive Liquid. Hygroscopic: absorbs moisture or water from the air.

Conditions to

Avoid:

Avoid excessive heat, direct sunlight.
Avoid contact with aluminium, zinc, brass, galvanized and painted surfaces and acids.

Hazardous

Polymerisation:

Hazardous Polymerization May occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:

Harmful if swallowed; Corrosive to the gastrointestinal tract, causing abdominal pain, burning sensation, perforation of upper and lower gastrointestinal tissues, shock or collapse.

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Skin	Causes severe skin burns; Corrosive to skin, causing redness, pain, blisters, liquefaction of skin and damage to underlying tissues, deep and painful wounds.
Corrosion/Irritation:	
Serious Eye:	Causes serious eye damage; Corrosive to eyes, causing redness, pain, blurred vision, severe deep burns; Can result in permanent injury, blindness.
Respiratory or skin irritation:	Not considered to be a skin sensitiser.
Germ Cell Mutagenicity:	Data not available
Carcinogenicity	Data not available
Reproductive Toxicity:	Data not available
STOT – single exposure	Corrosive to the respiratory tract, causing burning sensation, cough, sore throat, laboured breathing, shortness of breath, possible pulmonary edema. Symptoms may be delayed.
STOT- repeated exposure:	Data not available
Aspiration Hazard:	Data not available

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not determined

Persistence & degradability: Not determined

Bio accumulative potential: Not determined

Mobility in soil: Not determined

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

For any spillage wash with plenty of water or absorb with earth or other inert material

Dispose of in appropriately licence general landfill site in accordance with local, state and federal regulations.

Waste should be labelled. Special arrangements made to bury bulk waste upon dumping, limiting exposure.

14. TRANSPORTATION INFORMATION

Land and Sea

Australia: ADG
Proper Shipping Name: POTASSIUM HYDROXIDE, SOLID
Class: 8 Corrosive Substances
Subsidiary Risk(s): No Data Available
EPG: 37 Toxic And/or Corrosive Substances Non-Combustible
UN Number: 1813
Hazchem: 2W
Pack Group: II
Special Provision: No Data Available
EMS: FA, SB

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Marine Pollutant: No

15. REGULATORY INFORMATION

Poisons Schedule: 6

16. OTHER INFORMATION

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