

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Boom Clean
Product Type: Tank cleaner
Company Name: Hi-Tech Ag Solutions
 24 Shanahan Road (PO Box 5351)
 Davenport WA 6230 Australia
Phone: 08 9725 7322
Emergency Contact: 0499 944 099
Date of Issue: 19th November 2024

2. HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to the GHS of classification and labelling of chemicals.
 Non-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 – Subcategory 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.
 P264 – Wash hands thoroughly.

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 lenses, 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	CAS Number	Proportion
Potassium hydroxide	1310-58-3	<15%
Water	7732-18-5	BALANCE %

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.
Ingestion:	Wash mouth thoroughly with water. Seek medical attention immediately
Skin Contact:	Take off contaminated clothing, wash skin immediately with water. Seek medical attention.
Eye:	Rinse with plenty of clean water , seek immediate medical attention.
First Aid Facilities:	Eyewash and normal washroom facilities
Advice to Doctor:	Treat Symptomatically.
Other Information:	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.
Company Name:	Hi-Tech Ag Solutions 24 Shanahan Road (PO Box 5351) Davenport WA 6230 Australia
Phone:	08 9725 7322
Emergency Contact:	0499 944 099

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) Water spray may be used to cool down heat-exposed containers.
Hazchem Code:	2W

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	Clear area of all unprotected personnel. Wear appropriate PPE and clothing to minimise exposure. Increase ventilation. For small spills, wash away with copious amounts of water. Use absorbent (soil, sand inert material, vermiculite).
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. Prevent the build-up of mists or vapours in the work atmosphere. Avoid inhalation of vapours, avoid contact with skin, eye and clothing. Remove clothing if contaminated with product and wash thoroughly. Remove PPE, immediately after handling this product.
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.

PPE:

Eye Protection: Safety glasses or chemical goggles should be worn

Hand Protection: Wear gloves of impervious material

Body Protection: Wear coveralls or chemical resistant aprons



General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless Transparent Liquid	Melting Point:	N/A
Solubility in Water:	Completely soluble – 100%	Boiling Point:	>100° C
Specific Gravity:	1.02 – 1.13	Vapour Pressure:	N/A
pH 1% solution	11 - 12	Vapour Density (Air=1):	N/A
Flash Point:	N/A	Auto-Ignition Temperature:	N/A
Flammability:	Not flammable	Flammable Limits	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:

When stored in a cool area, product is stable 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.

Skin Corrosion/Irritation:

Causes severe skin burns; Corrosive to skin, causing redness, pain, blisters, liquefaction of skin and damage to underlying tissues, deep and painful wounds.

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 oedema. Symptoms may be delayed.

STOT- repeated exposure:

Data not available

12. ECOLOGICAL INFORMATION

Persistence & degradability: Data not available

Bio accumulative potential: Data not available

Mobility in soil: Data not available

13. DISPOSAL CONSIDERATIONS

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, SOLUTION
Class: 8 Corrosive Substances
Subsidiary Risk(s): No Data Available
EPG: 37 Toxic And/or Corrosive Substances Non-Combustible
UN Number: 1814
Hazchem: 2W
Pack Group: II
Special Provision: No Data Available
EMS: FA, SB
Marine Pollutant: No

15. REGULATORY INFORMATION

Poisons Schedule: 6

16. OTHER INFORMATION

This information is based on collective and current knowledge, is intended to describe the product for purposes of safety, environmental and health requirements only. It should therefore not be construed as guaranteeing any specific property of the product. The SDS is prepared by Hi Tech Ag (PTY) LTD

Key/Legend

<	Less Than	atm	Atmosphere
>	Greater Than	CAS	Chemical Abstracts Service (Registry Number)
AICS	Australian Inventory of Chemical Substances	cm ²	Square Centimetres
CO ₂	Carbon Dioxide	COD	Chemical Oxygen Demand
(°C)	Degrees Celsius	K	Kelvin
g	Grams	GHS	Globally Harmonised System
g/cm ³	Grams per Cubic Centimetre	g/l	Grams per Litre
mmHg	Millimetre of Mercury	Kg	Kilogram
Kg/m ³	Kilograms per cubic metre	lb	Pound
LC50	Lethal Concentration of a material in air which causes the death of 50% of a group of test animals.	LD 50	Lethal dose of material given all at once, which causes death of 50% of a group of test animals.
Ltr/L	Litre	m ³	Cubic meter
mbar	Minibar	mg	Milligram
mg/24H	Milligrams per 24 Hour	mg/kg	Milligrams per Kilogram
mg/m ³	Milligrams per Cubic Metre	mm	Millimetre
mmH ₂ O	Millimetres of Water	mPa.s	Millipascals per Second

SAFETY DATA SHEET

Boom Clean

N/A	Not Applicable	NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission	OECD	Organisation for Economic Co-operation & Development
Oz	Ounce	PEL	Permissible Exposure Limit
Pa	Pascal	ppb	Parts per Billion
ppm	Parts per Million	ppm/2h	Parts per Million per 2 Hours
ppm/6h	Parts per Million per 6 Hours	psi	Pounds per Square Inch
R	Rankine	RCP	Reciprocal Calculation Procedure
STOT	Specific Target Organ Toxicity	TLV	Threshold Limit Value
Tne	Tonne	TWA	Time Weighted Average
ug/24H	Micrograms per 24 Hours	UN	United Nations
wt	Weight	Immiscible	Liquids are insoluble in each other
Misc. or Miscible liquids form one homogenous liquid phase regardless of the amount of either component.			

Issued By: Hi-Tech Ag Solutions
SDS – Boom Clean – Ver 1.1
Date of Issue: 19th November 2024
Revision Date: November 2029