

SAFETY DATA SHEET**PRODUCT NAME:** Accepta 2302**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

Chemical Identity Tetrakis(hydroxymethyl) phosphonium sulphate (THPS) based biocide
Recommended use: Non-oxidising biocide

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2. COMPOSITION/INFORMATION ON INGREDIENTS CONTRIBUTING TO HAZARD CLASSIFICATION AND/OR HAVE COMMUNITY WORKPLACE EXPOSURE LIMITS

	<u>CAS No</u>	<u>Contents</u>	<u>Health (class)</u>	<u>Risk(R)</u>
Product contains: THPS	55566-30-80	25-35%	N, Xn, Xi	22-41-43, 50

3. HAZARD IDENTIFICATION OF PREPARATION

Symbols: Xn, Xi, N Risk Phrase(s) R22, R41, R43, R50

Oral May irritate the mouth and gastro-intestinal tract. Ingestion of large quantities may induce systemic effects.
Skin May cause an allergic hypersensitivity reaction on skin contact. May cause sensitisation.
Eye May cause severe irritation.
Environment Product is dangerous, very toxic to aquatic organisms.

4. FIRST AID MEASURE

General Instructions: In all cases of doubt, or when symptoms persist, seek more advice. Remove from exposure, rest and keep warm. Seek medical attention, treat symptomatically.

Skin Contact: Drench affected area with plenty of water, remove contaminated clothing immediately. Seek medical attention.

Eye Contact: Irrigate the eyes thoroughly with water for at least 15 minutes, holding the eyelids apart if necessary. Obtain medical attention.

Ingestion: Wash out mouth with water and give plenty of water to drink. DO NOT induce vomiting. Obtain medical attention. Show the label and this data sheet if possible

Inhalation Remove from contaminated atmosphere and keep at rest in a good supply of fresh air. Obtain medical attention.

5. FIRE FIGHTING MEASURE

Extinguishing Media Dry chemical, water spray or carbon dioxide
Exposure Hazards Effect of heat will generate an irritant vapour.
Special equipment for fire fighting Use breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Provide good ventilation. Wear protective clothing whilst attending to spilled materials.
Environmental Precautions Do not allow to enter drains or sewers. If this does enter a drain dilute with large amounts of water.
Clean up Procedure Absorb spillages onto sawdust, diatomaceous earth disposal site. Residual amounts can be soaked with water and sucked up into a vacuum system.

7. HANDLING AND STORAGE

Handling Should be handled with care as with all industrial chemicals. It should only be used by personnel competent to handle chemicals and fully aware of all hazards. They must use all the necessary protective wear. Adequate ventilation should be used.

Storage Mild steel should not be used as a material of construction due to the slightly acidic nature of the product. We recommend the use of HD polyethylene containers.

8. EXPOSURE CONTROLS

Exposure Limit (8hrs) Not assigned
Protective Measures

Respiratory: In the event where significant exposure is possible wear self contained breathing apparatus
Hand: Wear suitable impervious gloves
Eye: Wear chemical splash goggles
Skin: Wear suitable protective clothing, nitrile gloves and face shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to cloudy colourless liquid	Solubility in water	Miscible with water
Odour	Pungent	Solubility in other solvents	n/a
pH	4.4 at 20°C	Partition coefficient and N-octanol/water	n/a
Boiling Point/Boiling Range	n/a	Other Data	None
Melting Point/Melting Range	n/a		
Flash Point	n/a		
Flammability	non-flammable		
Autoflammability	n/a		
Explosive Properties	n/a		
Oxidising Properties	n/a		
Vapour Pressure	n/a		
Relative Density	1.10 approx		

10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to Avoid	Temperatures in excess of 160°C
Materials to Avoid	Strong alkalis and reducing reagents
Hazardous Decompositions	Toxic fumes can be emitted if heated to temperatures above 160°C

11. TOXICOLOGICAL INFORMATION

Ingestion:	Harmful if swallowed LD ₅₀ Rat (estimated) = 1900mg/l
Skin/Eyes	May burn the skin after contact for up to 4 hours. May cause severe, possibly permanent eye damage
Sensitisation	Is a strong sensitiser to Guinea Pin skin (14/20 positive)

12. ECOLOGICAL INFORMATION

LC50 fish	119 mg/L
EC50 Daphnia	19.4 mg/L
EC50 (fresh water algae)	0.20mg/l
Degradability:	Product readily biodegradable.
Bio-accumulation	Product is not expected to bio-accumulate.

13. DISPOSAL CONSIDERATIONS

Product :	In accordance with national waste regulations
Container:	Wash empty containers with water.

14. TRANSPORT INFORMATION

LAND TRANSPORT

UN Class	9	Item Number	None
UN Number	3082	ADR Class	9
		Packaging Group	III
Proper Shipping Name (PSN)	Environmentally hazardous substance liquid NOS UN No 3082		

SEA TRANSPORT

UN Number	3082	Class	9
Packing Group	III	Marine Pollutant	Yes
EMS	n/a	MFAG	n/a
		IMDG Code	9028
		PSN	Not restricted

15. REGULATORY INFORMATION

Chemical identity:	Tetrakis(hydroxymethyl) phosphonium sulphate (THPS) based biocide		
Labelling according to the chemical (Hazard Information and Packaging) Regulations 2002, CHIP 3			
EEC Number			
Symbol(s)	Xn -Harmful	Xi - Irritant	N - Dangerous for the Environment
Risk Phrase(s)	R22 Harmful if swallowed R41 - Risk of serious damage to eyes R43 - May cause sensitisation by skin contact R50 - Very toxic to aquatic organisms		
Safety Phrase(s)	S24 - Avoid contact with skin S26 - In case of contact with eyes, rinse immediately with plenty of water, seek medical advice. S36/37/39 - Wear suitable protective clothing gloves and eye/face protection.		

16. OTHER INFORMATION

Further details might be available upon request from Accepta Limited.

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