

<h1>SAFETY DATA SHEET</h1>	HTECH SDS SANS10234 / 11014:2009/10 ISSUE No: 15 LATEST REVISION DATE: 22 September 2022
----------------------------	--

(Data sheet according to SANS10234 / 11014:2009/10)

SECTION 1 - IDENTIFICATION OF SUBSTANCE/PRODUCT AND THE COMPANY

PRODUCT NAME	HTECH HYDRCARBON REMEDIATOR		
DESCRIPTION	Hydrocarbon Contamination Treatment		
MANUFACTURER	Lubritech (Pty) Ltd Trevallyn Industrial Park Hyskraan Close, Kya Sands, Randburg	TELEPHONE EMAIL EMERGENCY NUMBERS (24 HRS)	0861 000 487 admin@lubritech.co.za 0614265621

SECTION 2 - SOURCE AND COMPOSITION/DATA ON CONTENTS

Hazardous components:

Ingredients	CAS no.	R Phrase	EEC
Sodium Silicate (<20%)	1344-09-08	None	-
Silane Siloxane Emulsion	Proprietary	R22	Xi
Detergent	Proprietary	R22	Xi
Foam Agent	Proprietary	R22	Xi

Chemical characterization


Description: Aqueous silicates in solution and additives



Additional information: For information about ingredients with occupational exposure limits – see section 8

SECTION 3 - HAZARDS IDENTIFICATION

Main hazard:	Possible skin and eye irritant
Flammability:	None
Chemical hazard:	None
Biological hazard:	None
Reproductive hazard:	None
Health effects – eyes:	Reddening, irritation
Health effects – skin:	Skin reddening, irritation
Health effects – ingestion:	Stomachache, nausea, and vomiting
Health effects – inhalation:	None
Carcinogenicity:	None
Mutagenicity:	None
Neurotoxicity:	None
(This product is not classified – no symbol according to EC directives) See also section 11	
Fire:	Not applicable

SECTION 4 - FIRST AID MEASURES

Inhalation:	Not applicable. If in doubt, remove to fresh air. In the unlikely event any symptoms persist seek medical attention.	
Skin contact:		Remove contaminated clothing and wash skin thoroughly with soap and water, seek medical advice if rash develops

Eye contact:		Flush immediately with a plenty of water for at least 10 minutes. (Remove contact lenses) If irritation persists seek medical attention.
Ingestion:		Drink plenty of water or milk and seek medical advice immediately. Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.
Burning:		Not applicable.
SECTION 5 - FIRE FIGHTING MEASURES		
Suitable extinguishing agents:		Not applicable
For safety reasons unsuitable extinguishing agents:		Not applicable
Special hazards caused by the material, its products of combustion of resulting gasses:		Not applicable
Special equipment:		Not applicable
Extinguishing media:		Suitable for surrounding materials
Special hazards:		None
Protective clothing:		Suitable for surrounding materials
SECTION 6 - ACCIDENTAL RELEASE MEASURES		
Person related safety precautions:		Use alkali resistant gloves in cases of spillage.
Measures for environmental protection:		Not applicable. The product is developed for treatment of soil contamination with various kinds of organic or inorganic pollutants. Do not allow spillage (from larger quantities – eg. store) to enter drains or water sources.
Measures for cleaning/collecting:		Sand and other porous materials can remove accidental spillage in larger quantities. Can be stored in a container. See also section 13
Personal precautions:		Wear Safety glasses/eye protection. Wear protective clothing as indicated in section 8
Environmental precautions:		Do not discharge to natural water systems
Small spills:		Collect in a container for disposal and wash areas with clean water
Large spills:		Collect in containers for disposal. Rinse affected areas with clean water to effluent
Avoid applying to glass.		
SECTION 7- HANDLING AND STORAGE		
Suitable material: Keep in original containers		
Handling / storage precautions: Keep containers closed and in a dry place. Product is normally shipped in 25 ltr and 210 ltr plastic drums and IBCs. Product may be stored in steel, concrete, or plastic containers. Store in cool areas with original caps in place to prevent evaporation.		
Avoid skin and eye contact. Eating and drinking should be prohibited in workplaces. Avoid applying to glass to prevent staining of the glass		
SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION		
Occupational exposure limits:		None
Personal protection – respiratory:		None
Personal protection – hand:		Rubber gloves
Personal protection – eye:		Not expected to be necessary

Additional information about design of technical systems:	No special measures required; see section 7
Engineering control measures:	Local exhaust systems, natural air flow
Components with limit values that require monitoring at the workplace:	
CAS NO	Designation
%	Index
R-phrases	
Not required	
Additional information: The general precautionary rules and measures for handling chemicals should be adhered to.	
PERSONAL PROTECTIVE EQUIPMENT	
Breathing equipment:	Not required
Personal protection – skin:	Apron, closed shoes, overalls
Protection of hands:	Use safety gloves of alkali resistant materials eg. rubber (neoprene or nitrile).
Eye protection:	Ask the manufacturer. Wash your hands at intervals and at end of work. Use goggles/face protection against splash of materials.
Body protection:	Wear suitable protective clothing - alkali resistant, apron, closed shoes, overalls
Other protection:	None
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Clear liquid
Form:	Liquid
Odor:	Neutral / Weak
pH:	11.4
Boiling point:	100 degrees Celsius
Melting point:	None
Flash point:	None
Ignition temp:	Not applicable
Flammability:	None
Auto flammability:	None
Explosive properties:	None
Oxidizing properties:	None
Vapor pressure:	None
Density:	1,2-1,3 g/m3
Neurotoxicity:	None
Critical values for explosion: Lower:	Not applicable
Solubility in water:	100%
In other:	Not applicable
Solvent:	No
Viscosity:	Not determined
Upper:	Not applicable
SECTION 10 - STABILITY AND REACTIVITY	
Conditions to avoid:	Not applicable
Incompatible materials:	Strong organic acids and alkalis
Hazardous decomposition products:	None

Normally stable at temperatures above 5 degrees C.	
NB: ACID Product may cause a gelling effect to materials that contain acids or ammonia. Upon drying the crystals formed from this solution become sharp and abrasive. Hazardous polymerization will not occur. Materials to avoid: Avoid contact with any acid. HTECH will convert acids into a gel like form at the same time neutralizing them.	
Dangerous products of decomposition: Not applicable	
SECTION 11 - TOXICOLOGICAL INFORMATION	
Acute toxicity:	Acute Oral Toxicity LD50 (rat) 2000-3000 mg/kg
Skin and eye contact:	Irritant
Chronic toxicity:	Not known
Carcinogenicity:	None
Mutagenicity:	None
Neurotoxicity:	None
Reproductive hazardous:	None
Some irritation. Direct splashes to the eye may cause strong irritation. Possible irritation to the respiratory system if inhalation occurs. Direct contact may cause skin irritation. May cause strong irritation to mouth and throat, if swallowed.	
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.	
SECTION 12 - ECOLOGICAL INFORMATION	
Aquatic toxicity – fish:	Not known
Aquatic toxicity – daphnia:	48-hour LC 50 for Fathead minnow is 11.1 mgms/L
Aquatic toxicity – algae:	Not known
Biodegradability:	Materials
Mobility:	No
German wgk:	Not Available
HTECH is totally miscible with water and will progressively be diluted if allowed to enter drains or water courses. The product does not contain substances that are harmful to the environment, fish, and wildlife. None of the substances in the product are classified as harmful or dangerous according to all EC rules relating to harmful substances. The product will be mineralized by the carbon dioxide in the air and the soil and transformed into non reversable organo- silicates. The product can be used for treatment of soil contaminated with various kinds of organic or inorganic pollutants with no impact on the environment. See also section 6 and 13	
SECTION 13 - DISPOSAL CONSIDERATIONS	
Product:	Minor spillage of the product can be flushed out with plenty of water. Larger quantities can be removed by sand or other likely porous materials and can be stored in containers. Avoid contact with skin - use safety gloves. Disposal - according to national regulations, if any. Remark: the primary function of the product is cleaning of contaminated hard surfaces and soil
Uncleansed and empty packaging etc:	Disposal (Including remaining product) must be made according to official regulations.
SECTION 14 - TRANSPORT INFORMATION	
UN no.:	Not Available
Substance identity no.:	Not Available
ADR/RID class:	Available
ADR/RID hazard identity no.:	Not Available



ADR/RID item no.:	Not Available
IMDG – shipping name:	Not Available
IMDG – class:	Not Available
IMDG – packaging group:	Not Available
IMDG – marine pollutant:	Not Available
IMDG – EMS no.:	Not Available
IMDG – MFAG table no.:	Not Available
IATA – shipping name:	Not Available
IATA – class:	Not Available
IATA – subsidiary risk(s):	Not Available
ADNR – class:	Not Available
UK – description:	Not Available
UK – emergency action class:	Not Available
UK – classification:	Not Available
Trem card no.:	Not Available
ADR/RID class:	Not Available
This product is not regulated as a hazardous material.	

SECTION 15 - REGULATORY INFORMATION

EEC hazard classification:	Xi
Risk phrases:	R22
Safety phrases:	S7
National legislation:	None

SECTION 16 - OTHER INFORMATION

The information in this MSDS (COSHH) is based on the present state of our knowledge and on current EEC and national laws. The user's working conditions are beyond our knowledge and control. It is always the responsibility of the user to take all necessary steps to fulfil the demands laid down in the rules and legislation.

The information in this MSDS (COSHH) is meant as a description of safety requirements of our product. It is not to be considered as guarantee of the product's properties.