

Section 1: Company and Product Identification

1.1. Product Identification: OILFIELD CHEMICAL

Product Name: **PROTEKT-22**

Application: Oilfield/Refinery/Pipeline

1.2. Product use(s) and applications advised against:

Product use(s): AMMONIUM BIFLUORIDE WITH INHIBITORS

Applications advised against: Consult technical data sheet

1.3. Details of the Supplier of the Safety Data Sheet

Company: Chemiphase Ltd
Ringtail Place
Burscough
Lancashire
L40 8LA
Emergency Response: CHEMTREC (24 hrs): +44 (0) 1704 894 808

Section 2: Hazards Identification

2.1 Classification of the Substance or Mixture

Hazard Category: Acute tox, oral Cat 3
Skin corrosion/irritation Cat 1
Serious eye damage/eye irritation Cat 1

2.2 GHS Label Elements

Signal Word: Danger

Hazard Pictograms:



Hazard Statements:

H301: Toxic if swallowed
H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage

Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray
P264: Wash thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P280: Wear protective gloves/protective clothing/eye protection/face protection
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

2.3 Other Hazards

Not applicable, none known.

Section 3: Composition / Information on Ingredients

3.1 Hazardous Components

Hazardous substance (name)	CAS#	Weight %
Ammonium Bifluoride	1341-49-7	20-60

3.2 Other Information

No further information.

Section 4: First Aid Measures

4.1 Description of First Aid Measures

General Info:	Product may give off vapors in affecting the inhalation route. Ensure proper ventilation during application / curing. Seek medical treatment if any excessive exposures result in symptoms.
If ingested:	Rinse mouth. Seek medical attention if symptoms develop. Do not induce vomiting.
If inhaled:	Remove to fresh air. Obtain medical attention if respiratory symptoms or other symptoms develop. Inhalation may result in asthmatic symptoms or respiratory sensitization - monitor closely for symptoms of tightness in chest.
Eye contact:	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops or persists.
Skin contact:	Rinse with soap and water thoroughly. Get medical advice if irritation develops or persists. A PEG-400 oil, or corn oil may be an effective skin cleanser.

4.2 Most Important Symptoms and Effects, Acute and

Notable Exposure symptoms:	An allergic or asthmatic response (sensitization reaction), may occur in some exposed individuals. If these symptoms occur, seek medical attention
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Section 5: Fire Fighting Measures

5.1 Extinguishing Media	Determined by surrounding material
5.2 Special Hazards Arising from Mixture	Water based, not flammable
5.3 Advice for Firefighters / Protective equipment	Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Direct water spray may spread fire.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and procedures:	Wear appropriate personal protective equipment before approaching spill site. For small spills, dilute with water to sewer if allowed by local and state regulations. If unable to wash product with water, absorb with inert material (sand or other approved material) and dispose of in accordance with applicable
6.2 Environmental Precautions:	No special precautions.
6.3 Methods and Materials for Containment and Cleanup	Solid material can be collected and gathered mechanically.
6.4 References to Other Sections	For personal protection, see section 8 of the SDS. For disposal information, Section 13.

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Avoid breathing vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment.

7.2 Recommendations for Storage:

Store in cool area. Store away from strong acids or oxidizing agents. Refer to Section 10.

Section 8: Exposure Control / Personal Protection

8.1 Components with Exposure Control

Substances with Exposure Limits	PEL	TLV-TWA	

8.2 Exposure Controls

Engineering Controls: Ensure proper ventilation in enclosed spaces.

Work Clothing: Protective work clothing which covers skin and prevents exposures.

Eye/face protection: Safety glasses.

Skin Protection: Wear chemical resistant gloves.

Respiratory Protection: Utilize organic vapor respirator if airborne levels are not maintained below exposure limits, or if ventilation is inadequate.

Environmental Exposure: No special considerations. Avoid release of material to surface waters.

Additional Information: Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product. Cutting or grinding of the product may release substances which require monitoring (see chart above).

Section 9: Physical and Chemical Properties

9.1 Physical/Chemical Properties

State: liquid	Melting Point: Not avail	Freezing Point: Not avail
Color: straw colour	Boiling Point/Range: Not avail	pH 3.45
Sp. Grav. 1.5	Odor: Pungent	Water Solubility: Soluble
Evaporation rate: Not avail	Flash Point: Non Flammabl	Part. Coeff (n-oct/water) Not avail
Upper Flam Limits: Not avail	Lower Flam Limits: Not avail	Vapor Pressure: Not avail
VOC Content (%): Not avail	Viscosity: Not avail	Autoignitio n Temp: Not avail

9.2 Other Information

No further information.

Section 10: Stability and Reactivity

10.1 Reactivity	This product will react with water / moisture, producing CO ₂ gas. Exothermic reaction with materials containing active hydrogen groups.
10.2 Chemical Stability	Product is stable under normal conditions.
10.3 Possibility of Hazardous Reactions	Hazardous reactions or instability may occur under certain conditions of use.
10.4 Conditions to Avoid	Avoid extreme temperatures, flame, oxidizers, and acids / bases.
10.5 Incompatible Materials	Oxidisers, strong acids/bases.
10.6 Hazardous Decomposition	Not Available

Section 11 Toxicological Information

11.1 Information on Toxicological Effects

General Information:	Product has not been tested. Potentially irritating or sensitizing to respiratory system.
Acute Toxicity (Oral):	Poison.
Acute Toxicity (Dermal):	May cause severe skin burns
Acute Toxicity (Inhalation):	May cause allergy or asthma
Skin Corrosion / Irritation:	Skin irritant
Eye Corrosion / Irritation:	May cause severe eye damage
Sensitization:	Respiratory and skin sensitization reactions possible.
Carcinogenicity / Mutagenicity:	Not available

Section 12 Ecological Information

12.1 Toxicity	Product has not been tested. Product is expected to have significant deleterious effects on aquatic organisms.
12.2 Persistence and Degradability	No specific data available. Product is not expected to rapidly degrade.
12.3 Bioaccumulation Potential	No specific data available. Product is not expected to bioaccumulate in biological tissue.
12.4 Mobility in Soil	No further information available.
12.6 Other information	No further information available.

Section 13 Disposal Information

13.1 Waste Treatment Methods

Product disposal:	Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor.
Container disposal:	Packaging of product may contain small amounts of residual product which can be discarded.
Other considerations:	No further information.

Section 14: Transport Information

UN NUMBER 2817

PROPER SHIPPING NAME AMMONIUM HYDROGENFLUORIDE, SOLUTION

HAZARD CLASS 8

PACKING GROUP II

OTHER: No further information

Section 15: Regulatory Information

Section 16: Other Information

SDS Author: Product Safety Dept.

Version Dat

30/06/2015

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