

Section 1: Company and Product Identification

1.1. Product Identification: OILFIELD CHEMICAL

Product Name: PROTEKT 301C

Application: Oilfield/Refinery

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

Product use(s): PROCESS CLEANER & BIOCIDES

Applications advised against: Consult technical data sheet

1.3. Details of the Supplier of the Safety Data Sheet

Company: Chemiphase International 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: Skin corrosion/irritation Cat 1
Serious eye damage/eye irritation Cat 1
Hazard to aquatic environment, acute Cat 1
Non-classified

2.2 GHS Label Elements

Signal Word: Danger

Hazard Pictograms:



Hazard Statements:

H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage
H400: Very toxic to aquatic life
Not Applicable

Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray
P264: Wash thoroughly after handling
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection
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
P363: Wash contaminated clothing before reuse

P310: Immediately call a POISON CENTER or doctor/physician
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P391: Collect spillage
P391: Collect spillage

2.3 Other Hazards

Section 3: Composition / Information on Ingredients

3.1 Hazardous Components

Hazardous substance (name)	CAS#	Weight %
Sodium Hypochlorite	7732-18-5	8-12
Sodium Hydroxide	7681-52-9	2-5

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 Delayed

Treat symptomatically. Can cause corneal burns. Delayed pulmonary oedema may result

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

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	PEAK limitation	
CHLORINE	3mg/m3	
Sodium Hydroxide	2mg/m3	

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.

Information: Wash hands or exposed skin after using the product. Cutting or grinding of the product may release substances which require monitoring (see chart above).

Physical and Chemical Properties**Section 9:****9.1 Physical/Chemical Properties**

State: Liquid	Odour: chlorine	Freezing Point: N/A
Color: pale yellow-green	Boiling Point/Range: N/A	pH: 12.5+
Sp. Grav.: 1.2	Odor: chlorine	Water Solubility: soluble
Evaporation rate: Not avail	Flash Point: 40 deg c	Part. Coeff (n-oct/water): N/A
Upper Flam Limits: Not avail	Lower Flam Limits: Not avail	Vapor Pressure: N/A
VOC Content (%): Not avail	Viscosity: Not avail	Autoignition Temp: N/A

9.2 Other Information No further information.

Stability and Reactivity

Section 10:

- 10.1 Reactivity** This product will react with water / moisture, producing CO2 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

Toxicological Information

Section 11:**11.1 Information on Toxicological Effects**

- General Information:** Potentially irritating or sensitizing to respiratory system.
- Acute Toxicity (Oral):**
- 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

Ecological Information

Section 12:

- 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.

Disposal Information

Section 13:**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.

Transport Information

Section 14:

UN NUMBER 1791
PROPER SHIPPING NAME HYPOCHLORITE SOLUTION
HAZARD CLASS 8 CORROSIVE
PACKING GROUP III

OTHER: No further information

Regulatory Information

Section 15:**Other Information**

Section 16:**SDS Author:** Product Safety Dept.**Version Dat**

30/06/2021

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