Safety Data Sheet

WHMIS 2015

Section 1: Company and Product Identification

1.1. Product Identification: Oilfield/Refinery/Industrial

Product Name: **PROTEKT-15 PLUS**

Application: 15% HCL ACID WITH ANTI-CORROSION AND IRON CONTROL ADDITIVES

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

Product use(s):

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:
Acute tox, oral Cat 4
Skin corrosion/irritation Cat 1
Serious eye damage/eye irritation Cat 1
Specific target organ tox, single exp. Cat 2
Hazard to aquatic environment, acute Cat 3

2.2 GHS Label Elements

Signal Word: Danger

Hazard Pictograms:

Hazard Statements:
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage
H371: May cause damage to organs
H402: Harmful to aquatic life

Precautionary Statements:
P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P264: Wash thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P271: Use only outdoors or in a well-ventilated area
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye protection/face protection

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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

2.3 Other Hazards Not applicable, none known.

Section 3: Composition / Information on Ingredients

3.1 Hazardous Components

Hazardous substance (name)	CAS#	Weight %
Hydrogen Chloride	7647-01-0	14-16
citric acid	77-92-9	7-9
acetic acid	64-19-7	2-4
tallowalkylamine ethoxylates	68213-26-3	1-3
formaldehyde reaction products, oleylamine	91728-72-3	1-3
proprietary antifoam		0.5-1
proprietary dispersants (protekt 318)		1-2

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 (sensitzation reaction), may occur in some exposed individuals. If these symptoms occur, seek medical attention

Section 5: Fire Fighting Measures

5.1 Extinguishing Media Carbon dioxide (CO2), dry chemical, foam.

5.2 Special Hazards Arising from Mixture Direct fire hazard, highly flammable, gas.vapour flammable with air. Indirect fire hazard

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: Clean/wipe up mechanically, manually. Wear appropriate protective equipment and clothing during clean-up operations. Avoid breathing vapors. Ventilate area if easy to do so.

6.2 Environmental Precautions: Prevent soil and water pollution

6.3 Methods and Materials for Containment and Cleanup Absord with a suitable non combustable material

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	CAS#	ACGIH-TWA	OSHA-PEL
Hydrochloric Acid,	7647-01-0	2 PPM	7 mg/m3 (Ceil)
Hydrogen Chloride	7647-01-0	2 PPM	7 mg/m3 (Ceil)

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 Controls: 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:** NA **Freezing Point:** -30

Color: Colourless **Boiling Point/Range:** NA **pH** <1

Rel Density	1.2	**Odor:**	IRRITATING	**Water Solubility:**	SOLUBLE
Evaporation rate:	NA	**Flash Point:**	52 DEG F	**Part. Coeff (n-oct/water)**	NA
Upper Flam Limits:	NA	**Lower Flam Limits:**	NA	**Vapor Pressure:**	NA
VOC Content (%):	na	**Viscosity:**	NA	**Autoignition Temp:**	NA

9.2 Other Information No further information.

Section 10: Stability and Reactivity

10.1 Reactivity On heating release of toxic/corrosive/combustitble gases/vapours. Upon combustion co and co2 formed. Ciolent to explosive reaction with some metal powders and with strong oxisders.

10.2 Chemical Stability Hygroscpooic

10.3 Possibility of Hazardous Reactions No additional information available

10.4 Conditions to Avoid Avoid extreme temperatures, flame, oxidizers, and acids / bases.

10.5 Incompatible Materials Strong oxidisers, strong acids/bases.

10.6 Hazardous Decomposition Carbon monoxide, carbon dioxide

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): Not tested. Not expected to pose an acute oral toxicity hazard.

Acute Toxicity (Dermal): Skin contact is not expected to pose a dermal toxicity hazard.

Acute Toxicity (Inhalation): No further information.

Skin Corrosion / Irritation: Skin irritant

Eye Corrosion / Irritation: Eye / mucous membrane irritant.

Sensitization: Respiratory and skin sensitization reactions possible.

Carcinogenicity / Mutagenicity: Product contains ingredients which are suspect carcinogens. Diphenylmethane 4,4'-diisocyanate, and analagous materials have been suspected of causing carcinogenic effects in laboratory animal (GHS Cat 2).

Section 12 Ecological Information

12.1 Toxicity Product has not been tested. Product is not expected to have significant deleterious effects on aquatic organisms, due to the nature of MDI and its interaction with water.

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: 1789

CLASS 8

PACKING GROUP II

PROPER SHIPPING NAME: Hydrochloric Acid

OTHER: No further information

Section 15: Regulatory Information

TSCA: All components listed on the TSCA 8(b) inventory.

CERCLA RQ: Not applicable

SARA 311/312: Immediate (acute), delayed (chronic) health hazards.

SARA 313 Isocyanate compound (N120), ~25%

California Prop 65 Substances: Product contains California Proposition 65 substances in small quantities (carbon black, cumene, ethylbenzene)

Canadian DSL: All substances in product are listed on the DSL.

WHMIS: See Section 3 for disclosure substances, if applicable. Product is classified in accordance with WHMIS 2015.

Section 16: Other Information

SDS Author: Product Safety Dept. **Version Dat** 30/06/2015

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