

SAFETY DATA SHEET

CP-PROTEKT 4850

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY UNDERTAKING

PRODUCT NAME: CP-PROTEKT 4850

Description: PROTEKT SERIES –CORROSION INHIBITOR

APPLICATION OILFIELD/PIPELINE

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2. COMPOSITION INFORMATION ON INGREDIENTS

NAME	CAS No	EC No	CONTENT	TWA	STEL
A blend of 2-(heptadec-8enyl)-4,5- dihydro-1-(2-hydroxyethyl)-1Himidazolium	3388-72-5	222-218-7	8-10%		
A blend of 2-(heptadec-6enyl)-4,5- dihydro-1-(2-hydroxyethyl)-2Himidazolium	3388-72-8	222-218-9	8-10%		
1-Aminooctadecane	124-30-1	204-695-3	8-12%		

The Full Text for all R- Phrases are displayed in Section 16

3. HAZARDS IDENTIFICATION

Signal Word: Danger

Hazard statement:

H302: Harmful if swallowed

H410: Very toxic to aquatic life with long lasting effects

H319: Causes serious eye irritation

H315: Causes skin irritation

Precautionary Statements (prevention):

P260 Do not breathe fume/gas/mist/vapours/spray.

P264 Wash affected area thoroughly after handling.

P280 Wear protective gloves PVC or nitrile/protective clothing/eye protection/face protection.

P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment.

Precautionary Statements (response):

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P301

+ P312 IF SWALLOWED: Call a doctor/physician if you feel unwell.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

Precautionary Statement (Disposal):

P501 Dispose of contents/container to licensed waste disposal sites.

Classification of the substance and mixture:

Aquatic environment acute category 1

Aquatic environment chronic category 1

Acute toxicity Category 4

Eye Irritation: cat 2

Skin Irritation: cat 2

Possible Hazards (according to directive 67/548EWG or 1999/45/EC)

Physical / Chemical hazards : None

Environmental hazards: R50/53: Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Human health hazards: R22 : Harmful if swallowed

R36/38 Irritating to eyes and skin

HAZARD RATING SYSTEMS:

	HMIS	NFPA	KEY:
HEALTH			4=severe
FLAMMIBILITY			3=serious
REACTIVITY			2=moderate
			1=slight
			0=minimal

4. FIRST AID MEASURES**Eye contact**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion

Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

This product is not a fire hazard, but will burn if involved in a fire.

Keep cool with water spray. Suitable Extinguishing Media: Water spray, dry powder, foam or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin and eyes.

Spills may prove slippery.

Environmental Precautions: Prevent from entering water course.

Methods For Clean up: For large spills contain spillage with absorbent inert material such as sand, sawdust or earth, remove and neutralise prior to disposal.

7. HANDLING AND STORAGE

Handling: Do not ingest. Never siphon by mouth. If ingested, do not induce vomiting. Put on appropriate personal protective equipment (see section 8). Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. **Storage** Store in accordance with local regulations. Store in a segregated and approved area. Store away

from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10). Keep container tightly closed and sealed until ready for use.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limits: No exposure limits have been established.

Engineering control: Provide eyewash station and shower facilities near work place.

When working with this product personal protective equipment is specified as follows:- **Respiratory**

Protection: Not applicable.

Hand Protection: PVC or nitrile, gauntlets and gloves

Eye Protection: Goggles and Visors

Skin Protection: Apply all safety equipment

Environmental Exposure: This product should be prevented from entering the water course.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: liquid

COLOUR: Amber

ODOUR: Slight acetic pH(1%):
7.0 typical BOILING

POINT: >100EC

MELTING POINT: <0EC

SOLUBILITY (WATER): Soluble

(OTHERS): Soluble in iso-propanol, acetone and most organic solvents

RELATIVE DENSITY (20EC): 1.025 typical

VISCOSITY (cps/20EC): 200 typical

10. STABILITY AND REACTIVITY

Product is stable at room temperature.

Hazardous Reactions:

May react with moisture sensitive materials.

Hazardous Decomposition Products:

None known.

11. TOXICOLOGICAL INFORMATION

Inhalation: Not applicable product is a high boiling liquid.

Skin Contact: Irritant.

Eye Contact: Irritant.

Ingestion: The acute lethal dose (Oral LD50, rats), males only 947 mg/kg. Female rats were found to be more resistant. The acetate is expected to be similar.

Sensitisation (skin/respiratory): not tested

Repeated-dose toxicity: not tested

Mutagenicity: not tested

Carcinogenicity: not tested

Reproductive toxicity: not tested

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: OECD 301B - 6% biodegradable in 28 days

Toxicity: The results of studies on Rainbow trout (*Oncorhynchus mykiss*) were: LC50 96h 0.63mg/l.

The "no-observed effect level" 0.22mg/l.

13. DISPOSAL CONSIDERATIONS

General information

Any waste material is classed as hazardous waste, it should only be disposed of through licenced waste handlers and treatment sites. Do not allow unauthorised disposal to the environment. Avoid sources of ignition when handling waste. If operators are exposed to vapours during the disposal process then suitable respiratory protection should be worn. All other personal protective equipment as described in section 8 should be worn. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

Waste material should not be disposed of directly to drain. Uncleaned empty containers should be treated as hazardous waste. Avoid unauthorised disposal. Do not dump illegally onto land or into water. Dispose of waste and residues in accordance with local authority requirements. The recommended method for treatment of waste residues is either reclamation or incineration by specialist disposal company. Recover and reclaim or recycle, if practical. When dealing with waste always consider the waste management hierarchy of Prevention, Preparation for re-use, Recycling, Recovery and Disposal. It is advisable to minimise waste at source if possible, then re-use, recover or recycle wherever possible before considering waste disposal options.

14. TRANSPORT INFORMATION

UN Package Group:	3082
Proper shipping name:	Environmentally hazardous substance Liquid NOS
UN Packaging Group :	III
ADR Class:	9 Dangerous to the Environment
IMDG Class :	9 Dangerous to the Environment
RID/ADR HIN	90

15. REGULATORY INFORMATION

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Guidance Notes

Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (CHIP 4) ECHA Guidance on the Compilation of Safety Data Sheets, September 2011.

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EU) 453/2010. **15.2. Chemical Safety Assessment**

Information from the manufacturer of the raw

16. OTHER INFORMATION

R 36/38 Irritating to eyes and skin

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment S

24/25 A void contact with skin and eyes

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 28 After contact with skin, wash immediately with plenty of water

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection. R22

: Harmful if swallowed

REVISION COMMENTS None

General revision

ISSUED BY

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REVISED DATE

September 2015

CHEMIPHASE LTD

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DISCLAIMER

The information provided in this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.