



SAFETY DATA SHEET



SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product name: **CORROSION INHIBITOR CY8764**

Product Identifier: CY8764

Relevant identified uses: Corrosion inhibitor.

BOLLAND Y CÍA. S.A.

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SECTION II – HAZARDS IDENTIFICATION

Classification according to Globally Harmonized System.

Hazard pictogram(s):



Flammable liquid (Category 2)
Acute toxicity, dermal (Category 4)
Eye irritation (Category 2)
Carcinogenicity (Category 2)
Aspiration hazard (Category 2)
Long-term (chronic) aquatic hazard (Category 3)

Signal word: **DANGER**

Hazard statements:

H225 - Highly flammable liquid and vapour.
H312 - Harmful in contact with skin.
H319 - Causes serious eye irritation.
H305 - May be harmful if swallowed and enters airways.
H402 - Harmful to aquatic life.
H351 - Suspected of causing cancer.

Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P241 - Use explosion-proof electrical, ventilating and lighting equipment.
P280 - Wear protective gloves, protective clothing, eye protection and face protection. P264 - Wash thoroughly after handling.
P273 - Avoid release to the environment.
P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood.

Version:

1

Emission date:

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Replace: -

Created:

CIQUIME

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BOLLAND Y CÍA. S.A.

P370 + P380 + P375 - **IN CASE OF FIRE:** Use water spray, AR-foam, chemical dry or carbon dioxide to extinguish.

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

P312 - Call a POISON CENTER or a doctor if you feel unwell.

P321 - Specific treatment (see on this label).

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.

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

P308 + P313 - **IF EXPOSED OR CONCERNED:** Get medical advice.

P405 - Store locked up.

P403 + P235 - Store in a well-ventilated place. Keep cool. P501 - Dispose of contents / container in accordance with national / international regulations.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

CONFIDENTIAL COMMERCIAL INFORMATION
IF EMERGENCY, CALL +54 11 4611 2007

SECTION IV – FIRST AID MEASURES

GENERAL ADVICE:	Avoid exposure to the product, taking appropriate protective measures. Get medical advice.
EYE CONTACT:	Immediately flush with water for at least 20 minutes, holding eyelids apart to ensure that all eye and lid tissues rinsed. Washing eyes within several seconds is essential to achieve maximum effectiveness. If you have contact lenses, remove them after the first 5 minutes, then continue rinsing eye. Get medical advice.
SKIN CONTACT:	Wash immediately after contact with soap and water for at least 20 minutes. Remove contaminated clothing and wash before reuse.
INHALATION:	For those providing assistance, avoid exposure. Use proper protection if necessary. Move victim and get fresh air. Keep calm. If not breathing, give artificial respiration. If having difficulty breathing, give oxygen. Get medical advice.
INGESTION:	DO NOT INDUCE VOMITING. Give water to drink. Never give anything by mouth to an unconscious person. Get medical advice. If vomiting occurs spontaneously, place victim on side to reduce the risk of aspiration.
SYMPTOMS:	Inhalation: Prolonged exposure may cause nausea, headache and irritation in the airways. Skin contact: May cause irritation. Eye contact: May cause irritation. Ingestion: May cause mild gastrointestinal disorders.
MEDICAL ADVICE:	Symptomatic treatment. Contact a Poison Center.

SECTION V – FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	Dry chemical, alcohol-resistant foam, sand, CO ₂ , water fog or water spray. DO NOT USE water jets. Any extinguishing agent appropriate to the characteristics of surrounding fire.
FLASH POINT:	20°C (68°F)
FLAMMABLE LIMITS:	No information available.
SPECIAL HAZARDS:	It can release toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, aldehydes and products of incomplete combustion in case of fire.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	Use self-contained breathing apparatus. Structural protective clothing provides limited protection in fire in fire situations ONLY; It may not be effective in spill situations. For large spills wear protective clothing against chemicals, which is specifically recommended by the manufacturer. It may provide little or no thermal protection.
ADVICE FOR FIREFIGHTERS:	Spray package to prevent ignition if they were exposed to excessive heat or fire. Remove containers if they were not reached by the flames, and if you can do without risk. Cool packages with water until well after the fire is out, removing the remains to remove the embers.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Avoid sources of ignition. Evacuate personnel to a ventilated area. Use SCBA and skin and eye protection. Wear impervious gloves. Ventilate immediately, especially in low areas where vapours may accumulate.
ENVIRONMENTAL PRECAUTIONS:	Contain liquid with a dike. Prevent entry into waterways, sewers, basements or confined areas.
CONTAINMENT AND CLEANING UP:	Collect the product through sand, earth or inert absorbent material and completely clean or wash the contaminated area. Provide water and waste collected in marked for disposal as chemical waste containers.

SECTION VII – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Do not eat, drink or smoke during handling. Avoid contact with eyes, skin and clothing. Wash arms, hands, and nails after handling. The use of gloves is recommended. Avoid inhalation of vapours. Keep container closed. Use with adequate ventilation. Handle containers with care. Open slowly in order to control possible pressure.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Store in a clean, dry, well-ventilated area. Do not store near open flames or heat sources. Good ventilation is required. Note that making up pallets over 2 plastic drums, no more than 2 1000 litres containers and no more than three metal drums. Keep away from Strong oxidizing agents, acids, bases. Material appropriate packaging: supplied by the manufacturer. NFPA Code: 1 4 0

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS:	TLV-TWA (ACGIH):	200 ppm (isopropanol) 200 mg/m ³ (kerosene) 100 ppm (n-propanol)
	TLV-STEL (ACGIH):	400 ppm (isopropanol)
	IDLH (NIOSH):	2000 ppm (isopropanol) 80 ppm (n-propanol)
EXPOSURE CONTROLS:	<p>Keep workplace ventilated. The normal routine ventilation is usually adequate. Local hoods should be used for operations that produce or release large amounts of product. In low or confined areas should be provided mechanical ventilation.</p> <p>Provide showers and eyewash stations.</p>	
PERSONAL PROTECTION EQUIPMENT, INHALATION:	<p>Where necessary, use an organic vapours (A o AX) respirator. Special attention to oxygen levels in the air should be paid.</p> <p>If large releases occur, wear self-contained breathing apparatus (SCBA).</p>	
SKIN PROTECTION:	<p>When handling this product should wear impermeable protective PVC, nitrile or butile gloves (complying with standards EN 374), clothes and safety footwear resistant to chemicals.</p>	
EYE AND FACE PROTECTION:	<p>Should wear safety glasses, chemical splash-proof (complying with EN 166).</p>	

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid.
ODOUR:	Characteristic.
ODOUR THRESHOLD:	No information available.
PH:	7.7 ± 0.01 (5% alcoholic solution)
MELTING POINT:	< -20°C (-4°F)
BOILING POINT:	No information available.
FLASH POINT:	20°C (68°F)
EVAPORATION RATE:	No information available.
AUTO-IGNITION TEMPERATURE:	No information available.
EXPLOSIVE LIMITS:	No information available.
VAPOUR PRESSURE (20°C):	No information available.
RELATIVE DENSITY (20°C):	0.902 ± 0,03 g/cm ³
SOLUBILITY (in water, 25°C):	Hydrocarbon soluble, water dispersible.
HENRY CONSTANT (25°C):	No information available.
VISCOSITY (cSt, 20°C):	< 100
OTHER PROPERTIES:	No information available.

SECTION X – STABILITY AND REACTIVITY

REACTIVITY:	Material will not develop hazardous polymerization.
CHEMICAL STABILITY:	Material is stable under normal conditions.
CONDITIONS TO AVOID:	Heat, open flames and ignition sources.
HAZARDOUS DECOMPOSITION PRODUCTS:	When heated may produce irritant or toxic fumes or vapours. In case of fire, see Section V.
INCOMPATIBLE MATERIALS:	Strong oxidizing agents, acids, bases.

SECTION XI – TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE:	Inhalation, skin and eye contact.
ACUTE EFFECTS:	Inhalation: Prolonged exposure may cause nausea, headache and irritation in the airways. Skin contact: May cause irritation. Eye contact: May cause irritation. Ingestion: May cause mild gastrointestinal disorders.
CARCINOGENICITY AND MUTAGENICITY:	The heavy paraffinic distillate oil (CAS64742-94-5) is considered carcinogen Category 2A by the IARC.
ANIMAL TOXICITY VALUES:	ATE - LD50 oral (rat, OECD 401): > 2000 mg/kg ATE - LD50 der (rabbit, OECD 402): 249 mg/kg ATE - LC50 inh. (rat, 4hs., OECD 403): > 10 mg/l Skin irritation (rabbit, OECD 404): not irritant Eye irritation (rabbit, OECD 405): not irritant Dermal sensitizing (Guinea pig, OECD 406): not sensitizing Resp. Sens. (Guinea pig, OECD 403): not sensitizing

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY:	ATE - LL50 (<i>Pimephales promelas</i> , OECD 203, 96hs.): 47 mg/l ATE - EL50 (<i>Daphnia magna</i> , OECD 202, 48hs.): 16 mg/l ATE - EL50 (<i>Pseudokirchnerella subcapitata</i> , OECD 201, 72hs.): 12 mg/l ATE - EC50 (<i>Tetrahymena pyriformis</i> , QSAR, 40hs.): > 100 mg/l NOEL (<i>Pimephales promelas</i> , OECD 204, 14d.): 1 mg/l NOEL (<i>Daphnia magna</i> , OECD 211, 21d.): 3 mg/l
PERSISTENCE AND DEGRADABILITY:	BIODEGRADABILITY (OECD 301): Some components of the mixture are not biodegradable or are very seldom.
BIOACCUMULATIVE POTENTIAL:	BIOCONCENTRATION FACTOR - BCF (OCDE 305): No bioaccumulate. This mixture contains no substance considered to be persistent, bioaccumulative and toxic (PBT).
MOBILITY IN SOIL:	HENRY CONSTANT (25°C): No information available. LogKoc: No information available.
OTHER ADVERSE EFFECTS:	Product does not contain metals or organic halogens.

SECTION XIII – DISPOSAL CONSIDERATIONS

Both the excess product and empty containers should be disposed of in accordance with current legislation on Environmental Protection and in particular Hazardous Waste Laws. You must classify the waste and dispose of it by an authorized company. Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. **DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.**

SECTION XIV – TRANSPORT INFORMATION**TRANSPORT BY LAND**

Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S. (Contains isopropanol and kerosene)
UN/ID Number:	1993
Hazard class:	3
Packing group:	II
Hazard identification number:	33
Excepted and limited quantity:	1L / E2

**AIR TRANSPORT (ICAO/IATA)**

Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S. (Contains isopropanol and kerosene)
UN/ID Number:	1993
Hazard class:	3
Packing group:	II
PAX and Cargo Packing instructions:	Y341, 1L / 353, 5L
Cargo Packing instructions:	364, 60L
ERC:	3H

**SEA TRANSPORT (IMO)**

Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S. (Contains isopropanol and kerosene)
UN/ID N°:	1993
Hazard class:	3
Packing group:	II
EMS:	F-E; S-E
Marine pollutant:	NO
Transport document name:	UN1993; FLAMMABLE LIQUID, N.O.S. (Contains isopropanol and kerosene); 3; PGII.

**SECTION XV – REGULATORY INFORMATION**

Regulations and safety legislation specific for the substance or mixture:

Not dangerous for the ozone layer (1005/2009/CE).

Volatile organic compounds (VOC's) (1999/13/EC): No information available.

Regulation (EC) 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.

Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
 Directive 91/689/EEC on hazardous waste and Directive 91/156/EEC on waste management.
 European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR 2013).
 Regulations concerning the International Carriage of Dangerous Goods by Rail (RID 2013).
 International Maritime Dangerous Goods Code (IMDG 34 ed.).
 Regulations of the International Air Transport Association (IATA 52 ed.) On the transport of dangerous goods by air.
 Globally Harmonized System of Classification and Labelling of Chemicals, fifth revised edition, 2013 (SGA 2013).

SECTION XVI – OTHER INFORMATION

ATE: acute toxicity estimation.

N/A: no information available.

LD: lethal dose.

LC: lethal concentration.

HEALTH

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FLAMMABILITY

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REACTIVITY

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DIANA ORGANS

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Obligatory safety goggles.



Obligatory gloves.



Obligatory overall.

The information and recommendations given here are to our knowledge correct, and is the responsibility of each user to determine whether they are accurate, appropriate and complete for its particular use. The conditions and / or methods of handling, storage, use and disposal of the product are beyond our control and perhaps of our knowledge. For these and other reasons our company is not liable for loss, damage or caused or related to the handling, storage, use or disposal of this product costs. Our company is not responsible for any damage or incident, direct or indirect, of any nature that may result from the use of this information. Any information not contained in this SDS must be understood as undetermined or unknown.

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