

SAFETY DATA SHEET

According to REACH, Commission Regulation (EU) 2015/830 of 28 May 2015

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	Functional CI-427
Chemical Family	Corrosion inhibitor / anti-wear additive
Product Use	Lubricant Additive
CAS Registry Number	80939-62-4
Revision Date	June 15, 2017

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Section 2: HAZARDS IDENTIFICATION



Warning

Eye Irritation: Category 2A – Causes serious eye irritation

Skin Irritation: Category 2 – Causes skin irritation

Aquatic Chronic Category 2 - Toxic to aquatic life with long lasting effects

2.2 LABEL ELEMENTS

Symbols:



Warning

Hazard statements:

H315 – Causes skin irritation

H319 – Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements:

P264 - Wash hands thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P501 - Dispose of contents/container in accordance with applicable regulations

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Preparation	% (w/w)	CAS #
Amine, C11-C14 branched alkyl, hexyl phosphates	100	80939-62-4

Section 4: FIRST-AID MEASURES

Inhalation:	Remove to fresh air. In case of irritation to the respiratory system or mucous membranes, get medical attention. In case of prolonged exposure, get medical attention.
Ingestion:	If affected person is conscious, give plenty of water to drink. Do NOT induce vomiting. Give victim water or milk. Call physician or poison control immediately. Never give anything by mouth to an unconscious person.
Skin Contact:	Immediately wash with soap and water. Remove contaminated clothing. Seek medical attention.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention immediately.

Section 5: FIRE-FIGHTING MEASURES

Flash Point:	135° C / 275° F
Upper Flammable Limit:	Not determined
Lower Flammable Limit:	Not determined
Extinguishing Media:	In case of fire use water spray (fog), foam or dry chemicals.
Hazardous Combustion	Oxides of carbon, nitrogen and phosphorus. Smoke and Products: fumes.

Fire Fighting Procedures: Recommended to wear self-contained breathing apparatus and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Personal Protective Equipment must be worn. Keep unnecessary personnel away.

Environmental Precautions And Clean Up Methods: Spills should be contained, absorbed and containerized for disposal in accord with local, state and federal regulations. Do not flush into surface water, sanitary sewer or ground water system.

Section 7: HANDLING AND STORAGE

Handling: Use with adequate ventilation. Do not breathe vapors or mists. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.

Storage: Keep container tightly closed, in cool, well ventilated area. Empty containers may retain product residue, precautions apply to empty containers.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Use with adequate ventilation.

Hands: Use chemical resistant, impervious gloves.

Eyes: Use chemical safety goggles and face shield.

Clothing: Chemical resistant apron or body-covering clothing.

Respiratory: Use appropriate respiratory protection if there is the potential for overexposure to fumes.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Colorless to slight yellow
Odor: Amine-like
Density: 0.89 g / cm³ at 15°C (59 ° F)
Solubility: Insoluble in water
Boiling Point: > 195°C
PH (5% in Water/Isopropanol): 8.5

Section 10: STABILITY AND REACTIVITY

Stability: The product is stable.

Incompatibility: Strong acids, bases, oxidants and reducing agents

Conditions To Avoid: High temperatures

Section 11: TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE

Oral Toxicity:	LD50 (Rat), >2000 mg/kg (OECD 401)
Eye Irritation:	Irritant (Rabbit), OECD 405
Skin Irritation:	Irritant (Rabbit), OECD 404
Dermal Toxicity:	LD50 (Rat), >2000 mg/kg (OECD 402); non-sensitizing
Inhalation Toxicity:	No data available

CHRONIC EXPOSURE

Chronic Toxicity:	No data available
Carcinogenicity:	No data available
Teratogenicity:	No data available
Reproductive Toxicity:	No data available

Section 12: ECOLOGICAL INFORMATION

Environmental Hazards:	No data available
Environmental Fate:	No data available
Fish Toxicity:	LC50, 96hrs: 5.5 mg/L, oncorhynchus mykiss (OECD 203)
Algae Toxicity:	No data available
Bacteria Toxicity:	No data available

Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Section 14: TRANSPORTATION INFORMATION

U.S DOT Bulk	Not regulated
U.S. DOT Non-Bulk	Not regulated
IMDG Code	Not regulated
ICAO	Not regulated
ADR/RID Hazard Class	Not regulated

Section 15: REGULATORY INFORMATION

U.S. TSCA Inventory:	Yes
Other TSCA Reg.:	No
SARA EXT. HAZ. SUBS:	No
SARA Section 313:	No
CERCLA:	No
CAL. PROP. 65:	No
Japan	Listed - MITI
Australia	Listed - AICS

Europe	Listed - EINECS Polymers are exempt from EINECS inventory under the polymer exemption.
China	Listed - IECSC
Canada	Listed - DSL WHMIS – not controlled.
Korea	Listed - KECI
New Zealand	Listed - NZIoC
Philippines	Listed – PICCS
Taiwan	Listed - TCSCA

Section 16: OTHER INFORMATION

NFPA Code	Health: 1	Fire: 1	Reactivity: 0
HMIS Code	Health: 1	Fire: 1	Reactivity: 0

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