

# SAFETY DATA SHEET

According to the Regulation No. 1907/2006/EC (REACH) and No. 2015/830/EC

Version: 2022-09-07 / EN

---

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** Acrisolon **3260**

**Product description:** Diethylhydroxyamine aqueous solution with role of conservation.

**Product type:** Liquid.

**UFI:** -

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses:** Corrosion inhibitor for boiler water treatment. Oxygen scavenger.

**Uses advised against:** Do not use for non-specified uses.

### 1.3. Details of the supplier of the safety data sheet

**Company:** CPL GmbH

### 1.4. Emergency telephone

Poisoning control and information bureau

**Telephone number:** 8 5 236 20 52

**E-mail:** info@tox.lt

**Work time:** All day (24 hours).

**General emergency number:** 112

---

## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

**Product type:** Mixture.

**According to Regulation (EC) No 1272/2008 [CLP]**

Product is not classified as hazardous accordance The Regulation (EC) No. 1272/2008.

### 2.2. Label elements

**According to Regulation (EC) No 1272/2008 [CLP].**

**Pictogram:** None.

**Signal Word:** None.

**Hazardous substances in the mixture:** None.

**Hazard Statement:** None.

### Precautionary Statements:

**Prevention:** None.

**Response:** None.

**Storage:** None.

**Disposal:** None.

### 2.3. Other hazards

**Evaluation of PBT and vPvB results**

**PBT:** Not applicable.

**vPvB:** Not applicable.

No specific dangers known, if the regulations/notes for storage and handling are considered.

---

## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

Not applicable.

---

### 3.2. Mixtures

**Chemical name:** Diethylhydroxyamine aqueous solution.

# SAFETY DATA SHEET

According to the Regulation No. 1907/2006/EC (REACH) and No. 2015/830/EC

Version: 2022-09-07 / EN

Name	CAS No.	EINECS No.	Index No.	REACH Registration No.	Concentration range (%)	Classification according to Regulation (EC) No 1272/2008 [CLP]
Diethylhydroxy-amine (DEHA)	3710-84-7	223-055-4	-	01-2119962470-39-0001	1 – 5	Flam Liq 3 H226. Acute Tox 4 H302 Acute Tox 4 H332 STOT SE 3 H335 Aquatic Chronic 3 H112
(Z)-N-9-octadecenylpropane-1,3-diamine	7173-62-8	230-528-9	-	-	1 – 5	Acute Tox. 4 H302 Skin Corr. 1B H314 STOT RE 1 H372 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

For the full text of the H-statements mentioned in the Section 16.

## Additional information:

Specific concentration limits: None.

M-factor: None.

ATE (Acute toxicity estimates):

ATE values of mixture:

ATE<sub>mix</sub>=7142,9 mg/kg body weight (calculated - oral).

ATE<sub>mix</sub>=21,4 mg/l body weight (calculated - by inhalation, based on dust/mist).

## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

Remove contaminated clothing.

#### If inhaled:

The product is not volatile. If symptoms are felt, it is recommended to bring to fresh air to breathe.

#### On skin contact:

Remove contaminated clothing, footwear, watches, etc. And clean thoroughly before re-using them.

Wash immediately with plenty of water. Seek medical treatment in all cases of irritation.

#### On contact with eyes:

Rinse immediately with plenty of water for at least 10-15 minutes. Seek medical treatment in all cases of irritation.

#### On ingestion:

Immediately rinse mouth and drink at least 0.5 liters of water, seek medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Both acute symptoms:

If inhaled: No information available.

On skin contact: No information available.

On contact with eyes: Causes eye irritation.

On ingestion: No information available.

#### Delayed symptoms:

If inhaled: No information available.

On skin contact: No information available.

On contact with eyes: Tearing, redness, eye irritation.

On ingestion: No information available.

### 4.4. Indication of any immediate medical attention and special treatment needed

Treatment: No information available.

## SECTION 5: Firefighting Measures

# SAFETY DATA SHEET

According to the Regulation No. 1907/2006/EC (REACH) and No. 2015/830/EC

Version: 2022-09-07 / EN

## 5.1. Extinguishing media

### Suitable extinguishing media:

All types of extinguishing media are suitable: water, dry powder, carbon dioxide, foam, sand and other.

### Unsuitable extinguishing media:

Strong water jet.

## 5.2. Special hazards arising from the substance or mixture

During combustion, toxic carbon monoxide and carbon dioxide can be released, as well as various nitrogen oxides: NO<sub>x</sub>, CO<sub>2</sub>, CO. Flash point: 80 °C (closed crucible).

## 5.3. Advice for firefighters

Wear protective working tools such boots, coveralls, gloves, eye and face protection.

EN 469 - Protective clothing for firemen.

---

## SECTION 6: Accidental Release Measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Avoid contact with skin and eyes. Wear personal protective equipment as described under Heading 8. Ensure adequate ventilation in the workplace.

#### 6.1.2. For emergency responders

Avoid contact with skin and eyes. Wear personal protective equipment as described under Heading 8. Evacuate persons not participating in the liquidation of the accident from the room. Ensure the maximum possible ventilation of the premises.

### 6.2. Environmental precautions

Do not wash product down sewage and drainage systems or into bodies of water. If getting really happened, heavily diluted with water. The mixture don't pose a significant risk to health.

### 6.3. Methods and material for containment and cleaning up

Absorb the spillage into sand or other inert material, shovel into suitable containers. If containment is not possible and material enters the drain, dilute as much as possible with water.

### 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

---

## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

In the workplace should be equipped good ventilation. Do not eat, drink or smoke in the workplace. Avoid possible contact with skin, eyes or mouth. Wash hands after use. If work clothes or protective equipment become contaminated, remove them immediately. Follow good manufacturing practices. Avoid release to the environment. Keep away from water-reactive substances. Protection against fire and explosion: No special precautions necessary.

### 7.2. Conditions for safe storage, including any incompatibilities

The product should be stored in a cool, dry area in original manufacturer's packaging.

#### Storage stability:

Keep storage area should be dry, cool, 0 to 35 ° C and ventilated. Avoid freezing and high temperature change. Unsuitable (incompatible) storage of chemicals: strong acids, oxidizing agents.

The mixture don't present a risk of ignition or explosion.

### 7.3. Specific end use(s)

Used as an corrosion inhibitor for boiler water treatment. Oxygen scavenger.

The concentrated product is dosed using a dosing pump proportional to the amount of treated water.

---

## SECTION 8: Exposure Controls/Personal Protection

# SAFETY DATA SHEET

According to the Regulation No. 1907/2006/EC (REACH) and No. 2015/830/EC

Version: 2022-09-07 / EN

## 8.1. Control parameters

Components with occupational exposure limits: HN 23:2011 Lithuania

Substance		Exposure limits	
Name	CAS No	Short-term effects, mg/l	Long-term exposure, mg/l
-	-	-	-

No occupational exposure limits known.

## Information about diethylhydroxylamine CAS No. 3710-84-7.

### DNEL Value:

DNEL for workers, systemic, long-term, inhalation: 3.65 mg/m<sup>3</sup>;  
DNEL for workers, systemic, acute, inhalation: 45.6 mg/m<sup>3</sup>;  
DNEL for workers, local, long-term, inhalation: 2.92 mg/m<sup>3</sup>;  
DNEL for workers, local, short-term, inhalation: 8.76 mg/m<sup>3</sup>;  
DNEL for workers, local, chronic, dermal: 0.26 mg/kg/d;  
DNEL for workers, local, short-term, dermal: 4.7 mg/kg/d;  
DNEL for users, systemic, prolonged, dermal: 4.7 mg/kg;  
DNEL for users, systemic, long-term, inhalation: 3.65 mg/m<sup>3</sup>.

### PNEC values:

PNEC: Gel water 8.2 µm/l;  
PNEC: Sea water 0.82 µm/l;  
PNEC: Sediment (fresh water) 0,0652 mg/kg;  
PNEC: Sediment (sea water) 0.00652 mg/kg;  
PNEC: Soil: 0.0082 mg/kg of soil.

## 8.2. Exposure controls

### Personal protective equipment

**General safety and hygiene measures:** General indoor ventilation. Do not eat, drink or smoke when working with product to avoid contact with skin or mouth. Remove contaminated clothing, footwear, etc., and clean thoroughly before re-using them.

**Respiratory protection.** Not necessary.

**Eye protection.** Wear approved glasses or safety goggles (EN 166) to prevent contact with eyes.

**Skin protection.** Wear rubber gloves (EN 374), usual work clothes, rubber boots to prevent contact with skin.

**Protection against thermal hazards:** None required.

### Environmental exposure controls

Do not wash product down sewage and drainage systems or into bodies of water.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Physical state:** Liquid;  
**Colour:** Colorless - pale yellow;  
**Odour:** Weak amine smell product;  
**Odour threshold:** Not determined;  
**Melting/freezing point:** -2 °C;  
**Boiling point/range:** 90 ÷ 110 °C;  
**Flammability (solid, gas):** Not applicable;  
**Upper/lower flammability:** Not determined;  
**Flash point:** Not determined;

**Auto-ignition temperature:** Not determined;

# SAFETY DATA SHEET

According to the Regulation No. 1907/2006/EC (REACH) and No. 2015/830/EC

Version: 2022-09-07 / EN

<b>Decomposition temperature:</b>	Not determined;
<b>pH (20 °C):</b>	>11,0;
<b>Viscosity:</b>	Not determined;
<b>Solubility:</b>	Soluble in water;
<b>Partitioning coefficient n-octanol/water (log Kow):</b>	Not applicable;
<b>Vapour pressure:</b>	Not determined;
<b>Density (20 °C):</b>	0,98 ± 0,05 g/cm <sup>3</sup> ;
<b>Relative vapor density:</b>	Not determined;
<b>Particle size:</b>	Not applicable;

All the listed properties apply to the product (mixture).

## 9.2. Other Information

Explosive materials:	Not applicable.
Flammable gases:	Not applicable.
Aerosols:	Not applicable.
Oxidizing gases:	Not applicable.
Compressed gas:	Not applicable.
Flammable liquids:	Not applicable.
Flammable solids:	Not applicable.
Self-reactive substances:	Not applicable.
Pyrophoric liquids:	Not applicable.
Pyrophoric solids:	Not applicable;
Substances and mixtures which, in contact with water, emit flammable gases:	Not applicable.
Self-heating substances and mixtures:	Not applicable.
Oxidizing liquids:	Not applicable.
Oxidising solids:	Not applicable.
Organic peroxides:	Not applicable.
Corrosive to metals:	Not applicable.
Desensitized explosives:	Not applicable.

No data available.

---

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated (see Heading 7).

### 10.3. Possibility of hazardous reactions

The heat released by mixing with strong acids (exothermic reaction).

### 10.4. Conditions to avoid

Avoid contact with strong oxidizing agents (peroxide), strong acids, copper and aluminum. Avoid heat above 75° C.

### 10.5. Incompatible materials

Avoid contact with acids, strong oxidizing agents.

### 10.6. Hazardous decomposition products

The product is stable, but heating may release hazardous decomposition products: CO, CO<sub>2</sub>, PO<sub>x</sub>, NO<sub>x</sub>.

# SAFETY DATA SHEET

According to the Regulation No. 1907/2006/EC (REACH) and No. 2015/830/EC

Version: 2022-09-07 / EN

## SECTION 11: Toxicological Information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Ingestion. Tests with rats: LD50=2190 mg/kg (DEHA CAS: 3710-84-7). ATE<sub>mix</sub>=7142,9 mg/kg body weight (calculated - oral). Based on available data, the classification are not met.

Skin contact. Tests with rabbits: LD50=1300 mg/kg. (DEHA CAS: 3710-84-7). Based on available data, the classification are not met.

Inhalation. Not volatile. Tests with rabbits: LD50=3140 mg/m<sup>3</sup> (DEHA CAS: 3710-84-7).

ATE<sub>mix</sub>=21,4 mg/l body weight (calculated - by inhalation, based on dust/mist). Based on available data, the classification are not met.

**Skin corrosion / irritation:** Based on available data, the classification are not met. Direct contact with the product may slightly irritate the skin and eyes.

**Eye damage / irritation:** Based on available data, the classification are not met. Direct contact with the product may slightly irritate the eyes.

**Sensitisation:** Skin: Based on available data, the classification are not met.

DEHA (CAS: 3710-84-7) Skin: Does not cause skin allergies.

(Method: OECD Test Guideline 406 Buehler method, guinea pig).

Respiratory: Based on available data, the classification are not met.

**Mutagenicity:** Based on available data, the classification are not met.

DEHA (CAS: 3710-84-7): Ames test in vitro: Inactive (Method: OECD Test Guideline 471).

In vitro chromosomal abnormality test on human lymphocytes: Active (Method: OECD Test Guideline 473).

In vitro gene mutations test on mammalian cells: Active (Method: OECD Test Guideline 476)

**Carcinogenicity:** Based on available data, the classification are not met.

**Reproductive toxicity:** Based on available data, the classification are not met.

**Specific target organ toxicity (STOT SE) – single exposure:** Based on available data, the classification are not met.

**Specific target organ toxicity (STOT RE) – repeated exposure:** Based on available data, the classification are not met.

**Aspiration hazard:** Based on available data, the classification are not met.

#### Information on likely routes of exposure

Skin contact: The mixture does not present a skin hazard.

Eye contact: The mixture may causes eye irritation.

Inhalation: The mixture does not present a respiratory hazard. The mixture is not volatile.

Ingestion: The mixture does not present a risk of ingestion, but possible ingestion of the mixture must be avoided.

#### Symptoms related to the physical, chemical and toxicological characteristics

Skin contact: The mixture does not present a skin hazard.

Eye contact: The mixture may causes eye irritation.

Inhalation: The mixture does not present a respiratory hazard. The mixture is not volatile.

Ingestion: The mixture is not dangerous if swallowed.

#### Delayed and immediate effects as well as chronic effect from short and long-term exposure

##### Short time exposure:

Potential immediate effect: Not available.

Potential delayed effect: Not available.

##### Long term exposure:

Potential immediate effect: Not available.

Potential delayed effect: Not available.

# SAFETY DATA SHEET

According to the Regulation No. 1907/2006/EC (REACH) and No. 2015/830/EC

Version: 2022-09-07 / EN

## Potential chronic health effect:

Carcinogenicity: No known significant effect or critical hazards.  
Mutagenicity: No known significant effect or critical hazards.  
Reproductive toxicity: No known significant effect or critical hazards.

## 11.2. Information on other hazards

### Endocrine disrupting properties:

Based on available data, the classification are not met.

Other information: None.

---

## SECTION 12: Ecological Information

### 12.1. Toxicity

Aquatic chronic toxicity Category 3. The addition of large amounts of product to water may cause a rise in pH (alkalinity).

Information on diethylhydroxylamine CAS No. 3710-84-7.

LC50=134 mg/l/96 h - Pimephales promelas

EC50=8.9 mg/l/24 h - Daphnia magna

EC50 >101 mg/l/72 h - Pseudokirchnerella subcapitata

MOEC=100 mg/l/28 days - Microorganisms (Activated sludge)

### 12.2. Persistence and degradability

Completely soluble in water.

Information on DEHA:

Will slowly evaporate and decompose when in soil. The product biodegrades in water by 11% in 28 days (Method: OECD 301F).

### 12.3. Bioaccumulative potential

Information on DEHA:

Bioaccumulative potential:  $\log K_{ow} : \leq 0,5$  , at 50 °C (OECD Test Guideline 117).

### 12.4. Mobility in soil

Information on DEHA:

The product must not enter waste water. This product is not easily adsorbed by soil and actively gravitates to groundwater. Not likely to bioaccumulate in water. In the atmosphere, it will react with hydroxyl radicals ( $T_{1/2} = 4$  hours).

Henry's constant: N, N-diethylhydroxylamine:  $5.9E-03 \text{ Pa}\cdot\text{m}^3/\text{mol}$ .

### Note:

It is forbidden to pour the undiluted product or its larger quantities into groundwater, water bodies or sewage systems.

### 12.5. Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

### 12.6. Endocrine disrupting properties

The substances in the mixture don't have endocrine disrupting properties.

### 12.7. Other adverse effects

None.

# SAFETY DATA SHEET

According to the Regulation No. 1907/2006/EC (REACH) and No. 2015/830/EC

Version: 2022-09-07 / EN

---

## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

Not classified as harmful to aquatic organisms. Not classified as harmful to birds. Not allowed to dispose of empty containers or waste into the environment. Dispose of according to the local legislation. Empty containers should be returned to the supplier.

Waste code of packages: 15 01 02 plastic packaging  
15 01 10\* packaging containing residues of or contaminated by hazardous substances

Waste code of mixture: 07 01 04 / 07 07 04 / 07 01 99 Other organic solvents, washing liquids and mother liquors.

---

## SECTION 14: Transport Information

### 14.1. UN Number or ID number

None.

### 14.2. UN Proper Shipping Name

None.

### 14.3. Transport hazard class(es)

None.

### 14.4. Packing Group

None.

### 14.5. Environmental hazards

None.

### 14.6. Special precautions for user

None.

### 14.7. Maritime transport in bulk according to IMO instruments

None.

The product is not covered by the international regulation on the transport of dangerous goods (IMDG/ IATA, ADR/RID) and therefore no classification is required. No special precautions are needed apart from those mentioned under Heading 8.

---

## SECTION 15: Regulatory Information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010/EC, Regulation (EC) No 1272/2008 [CLP] and Regulation (EC) No. 2020/878.

### 15.2. Chemical Safety Assessment

Chemical Safety Assessment not required.

---

## SECTION 16: Other Information

**Acrisolon 3260** - For industrial use only.

**Acrisolon 3260** safety data sheets and technical information developed by the manufacturer.

### Full text of H-Statements

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.



# SAFETY DATA SHEET

According to the Regulation No. 1907/2006/EC (REACH) and No. 2015/830/EC

Version: 2022-09-07 / EN

---

## Abbreviations:

CAS	Chemical Abstracts Service
EINECS	European Inventory of Existing Chemical Substances
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
CLP	Classification, labelling and packaging of substances and mixtures
LD50	Lethal Concentration
LC50	Median lethal dose
EC50	Median effective concentration
NOEC	No Observed Effect Concentration
ATE	Acute toxicity estimate
DNEL	Derived no effect level
PNEC	Predicted non-effect concentration
PBT	Persistent, bioaccumulative and toxic
vPvB	Very persistent and very bioaccumulate

---

## Product Acrisolon 3260 Label

Product is not classified as hazardous.

**Pictogram:** None.

**Signal Word:** None.

**Hazardous substances in the mixture:** None.

**Hazard Statement:** None.

**Precautionary Statements:** None.

---

*The information on this data sheet reflects the currently available knowledge and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product, including the use of the product in combination with any other product or any other process, is the responsibility of the user. It is implicate that the user is responsible for determining appropriate safety measures and for applying the legislation covering his own activities. Safety data sheet available for professional user on request.*