

## CAFFEINE (ANH)

### SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

#### Section 1: Product Identification

**Product Name:** CAFFEINE (ANH)

**Product Code:** 3111

**CAS#:** 58-08-2

**Chemical Formula:**  $C_8H_{10}N_4O_2$

**Molecular Formula:** 194.19

### SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

#### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302

**Other hazards** - none

### SECTION 3: HAZARDS IDENTIFICATION

**Name:** CAFFEINE (ANH)

**Chemical Formula:**  $C_8H_{10}N_4O_2$

**Molecular Formula:** 194.19

### SECTION 4: FIRST AID MEASURES

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

### SECTION 5: FIRE AND EXPLOSION DATA

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides, nitrogen oxides (NOx), Sulphur oxides, Sodium oxides

#### Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions and emergency procedures



Avoid dust formation. Avoid breathing vapours, mist or gas.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

**Precautions:**

Keep away from heat. Keep away from sources of ignition.

**Storage:**

Store in cool, dry place in closed containers

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

**Respiratory protection**

Respiratory protection is not required. If protection from nuisance levels of dusts are desired, use type N95 or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form	: White crystalline powder
Colour	: Not available
Odour	: Not available
Odour Threshold	: Not available
pH	: Not available
Melting point/freezing point	: Not available
Initial boiling point and boiling range	: Not available
Flash point	: Not available
Evaporation rate	: Not available
Flammability (solid, gas)	: Not available
Upper/lower flammability or explosive limits	: Not available
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: Not available
Water solubility	: Not available
Partition coefficient	: Not available
Auto-ignition temperature	: Not available

## SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** Stable under recommended storage conditions.

**Instability Temperature:** Not available.

**Conditions of Instability:** Excess heat.

**Incompatibility with various substances:** Strong oxidizing agents



Special Remarks on Reactivity: Not available

#### SECTION 11: TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD50 Oral - rat - male and female - 367,7 mg/kg

**Skin corrosion/irritation:** Not available.

**Serious eye damage/eye irritation:** Not available.

**Respiratory or skin sensitization:** Not available.

**Carcinogenicity:** Not available.

**Reproductive toxicity:** Not available.

**Specific target organ toxicity - single exposure:** Not available.

**Specific target organ toxicity - repeated exposure:** Not available.

**Aspiration hazard:** Not available.

#### SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** Toxicity to fish LC50 - Leuciscus idus (Golden orfe) - 87 mg/l - 96 h

**Persistence and degradability:** Not available.

**Bioaccumulative potential:** Not available.

**Mobility in soil:** Not available.

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods** Waste must be disposed of in accordance with federal, state and local environmental control regulations

#### SECTION 14: TRANSPORT INFORMATION

**UN number:**

**ADR/RID:**

**IMDG:**

**IATA:**

**UN proper shipping name**

**ADR/RID:** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

**Transport hazard class(es):**

**ADR/RID:**

**IMDG:**

**IATA:**

**Packaging group:**

**ADR/RID:**

**IMDG:**

**IATA:**

**Environmental hazards:**

**ADR/RID:** no

**IMDG Marine pollutant:** no

**IATA:** no

#### SECTION 15: OTHER REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not available.

**Chemical Safety Assessment:** Not available.



## SECTION 16: OTHER INFORMATION

**References:** Not Applicable.

**Other Special Considerations:** Not available

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