

## Safety Data Sheet

according to 1907/2006/EC, Article 31

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

#### 1.1 Product identifier

**Trade name:** ADERCO 5000

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

**Application of the substance / the preparation:** Fuel Additive

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

**Manufacturer/Supplier:**

Aderco International SA.  
1, Chemin du Joran  
1260 Nyon, Switzerland  
Phone: +41 22 362 3904  
email: adimch@aderco.com

**Further information obtainable from:**

Regulatory Support: B-Lands Consulting  
Tel: +33 (0) 476 295 869 ; Fax: +33 (0) 476 295 870

#### 1.4 Emergency telephone number:

UK - National Poisons Emergency: +44 870 600 6266 (24h)  
Ireland - National Poisons Information Centre +353 1 8379964 (24h)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R36/38: Irritating to eyes and skin.

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

#### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms:**



GHS07 GHS08

**Signal word:** Warning

**Hazard-determining components of labelling:**

Poly(oxyethylene) nonylphenyl ether

**Hazard statements:**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child.

**Trade name:** ADERCO 5000

**Precautionary statements:**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additives

<b>Hazardous components:</b>		
CAS: 68648-87-3 EINECS: 272-008-4	Benzene, C10-16-alkyl derivs. Xi R36/38 Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319	50-100%
CAS: 64755-04-0 EINECS: 265-230-8	Naphthenic acids, reaction products with polyethylenepolyamines Xi R36/37/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-10%
CAS: 9016-45-9 NLP: 500-024-6	Poly(oxyethylene) nonylphenyl ether Xi R36/38 Repr. 2, H361; STOT RE 2, H373; Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-10%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**After inhalation:** In case of unconsciousness place patient stably in the recovery position.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** If symptoms persist consult doctor.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**Trade name:** ADERCO 5000

## 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

## 5.3 Advice for firefighters

**Protective equipment:** No special measures required.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** Not required.

**6.2 Environmental precautions** Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.

**Information about fire - and explosion protection:** No special measures required.

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

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

#### Further information about storage conditions:

Keep container tightly sealed.

Suitable packaging materials: PVC, mild steel, polypropylene, polyethylene (high density)

Unsuitable packaging materials: copper, aluminium

**7.3 Specific end use(s):** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

#### Personal protective equipment

##### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

##### Respiratory protection:

In case of brief exposure use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Trade name:** ADERCO 5000

**Protection of hands:**



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/ the chemical mixture.

Select the glove material based on a consideration of the penetration times, rates of diffusion and the degradation.

**Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material:**

The exact break through time must be determined by the manufacturer of the protective gloves.

**Eye protection:**



Tightly sealed goggles (EN 166).

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

**Appearance:**

**Form:** Fluid  
**Colour:** According to product specification

**Odour:** Characteristic.  
**Odour threshold:** Not determined.

**pH-value:** Not determined.

**Melting point/Melting range:** Not determined.

**Boiling point/Boiling range:** > 265 °C

**Flash point:** 151 °C

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:** 238 °C

**Decomposition temperature:** Not determined.

**Self-igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**

**Lower:** Not determined.  
**Upper:** Not determined.

**Oxidising properties** Not determined.

**Vapour pressure at 20 °C:** 0.1 hPa

**Density at 20 °C:** 0.884 g/cm<sup>3</sup>

**Relative density** Not determined.

**Trade name:** ADERCO 5000

<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>VOC (EC)</b>	0.00 %

**9.2 Other information** No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** No further relevant information available.

### 10.5 Incompatible materials

No further relevant information available.

Copper, aluminium

**10.6 Hazardous decomposition products** No dangerous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### LD/LC50 values:

#### 68648-87-3 Benzene, C10-16-alkyl derivs.

Oral	LD50	34000 mg/kg (rat)
Dermal	LD50	2000 mg/kg (Rabbit)
Inhalative	LC50/4 h	>71 mg/l (rat)

#### Primary irritant effect:

**on the skin:** Irritant to skin and mucous membranes.

**on the eye:** Irritating effect.

**Sensitisation:** No sensitising effects known.

#### Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Repr. 2

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.



**Trade name:** ADERCO 5000

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

**Recommendation:** Do not allow product to reach sewage system.

**Uncleaned packaging**

**Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

**14.1 UN Number**

**ADR, ADN, IMDG, IATA** Not applicable.

**14.2 UN proper shipping name**

**ADR, ADN, IMDG, IATA** Not applicable.

**14.3 Transport hazard class(es)**

**ADR, ADN, IMDG, IATA**

**Class** Not applicable.

**14.4 Packing group**

**ADR, IMDG, IATA** Not applicable.

**14.5 Environmental hazards**

**Marine pollutant:** No

**14.6 Special precautions for user** Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

### SECTION 15: Regulatory information

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

No further relevant information available.

**15.2 Chemical safety assessment** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H361 Suspected of damaging fertility or the unborn child.

**Trade name:** ADERCO 5000

H373 May cause damage to organs through prolonged or repeated exposure.

R36/37/38 Irritating to eyes, respiratory system and skin.

R36/38 Irritating to eyes and skin.

**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2