

## Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 29.07.2019

Version: 1.0

Date previous version: not applicable

Previous version: none

Product: **Ardrox 6367**

(ID no. 30714482/SDS\_GEN\_GB/EN)

Date of print 30.07.2019

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

#### 1.1. Product identifier

**Ardrox 6367**

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

Recommended use: Detergents

Not recommended use: None known

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

Company:  
Chemetall Ltd.  
Denbigh Road 65  
Bletchley Milton Keynes MK1 1PB  
Great Britain  
+44 1908 649333  
sds.global-chemetall@basf.com

#### 1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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### SECTION 2: Hazards Identification

#### 2.1. Classification of the substance or mixture

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For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

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

Eye Dam./Irrit. 1

H318

For the classifications not written out in full in this section the full text can be found in section 16.

## 2.2. Label elements

### Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318 Causes serious eye damage.

Precautionary Statements (Prevention):

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

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

Ethoxylated Secondary Alcohols (C11 - 15)

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

Hazard determining component(s) for labelling: Ethoxylated Secondary Alcohols (C11 - 15), N-oleoylsarcosine

## 2.3. Other hazards

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

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If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## SECTION 3: Composition/Information on Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

#### Chemical nature

organic  
aqueous solution

#### Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

Ethoxylated Secondary Alcohols (C11 - 15)

Content (W/W):  $\geq 3\%$  -  $< 5\%$

CAS Number: 68131-40-8

Acute Tox. 4 (oral)

Eye Dam./Irrit. 1

H318, H302

N-oleoylsarcosine

Content (W/W):  $\geq 3\%$  -  $< 5\%$

CAS Number: 110-25-8

EC-Number: 203-749-3

REACH registration number: 01-

2119488991-20

Acute Tox. 4 (Inhalation - vapour)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 1

Aquatic Acute 1

H318, H315, H332, H400

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

First aid personnel should pay attention to their own safety. Remove affected person from danger area. Immediately remove contaminated clothing. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

If inhaled:

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Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice.

On skin contact:

Wash affected areas thoroughly with soap and water. If symptoms persist, seek medical advice.

On contact with eyes:

Rinse immediately with plenty of water, also under the eyelids, for at least 30 minutes. Seek medical attention.

On ingestion:

Rinse mouth immediately with water. Do not induce vomiting. Seek medical attention.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## **SECTION 5: Fire-Fighting Measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

carbon dioxide, dry powder, alcohol-resistant foam, water spray

Unsuitable extinguishing media for safety reasons:

water jet

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

carbon oxides, nitrogen oxides

### **5.3. Advice for fire-fighters**

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## SECTION 6: Accidental Release Measures

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

Use personal protective clothing. Information regarding personal protective measures, see section 8.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

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

Ensure adequate ventilation. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

### 6.4. Reference to other sections

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

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## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). The workplace should be equipped with an emergency shower and eye-rinsing facility. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

Keep away from sources of ignition - No smoking. The relevant fire protection measures should be noted.

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep container tightly closed in a cool, well-ventilated place. The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep away from heat. Avoid direct sunlight. Protect from frost.

Storage stability:

Storage temperature: 5.00 - 40.00 °C

### 7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

#### Components with occupational exposure limits

No occupational exposure limits known.

#### Biological limit values (BLV)

No data available.

#### Components with PNEC

68131-40-8: Ethoxylated Secondary Alcohols (C11 - 15)

marine water: 0.000153 mg/l

freshwater: 0.00153 mg/l

STP: 8.24 mg/l

sediment (freshwater): 64.3 mg/kg

soil: 12.9 mg/kg

intermittent release: 0.0153 mg/l

sediment (marine water): 6.43 mg/kg

110-25-8: N-oleoylsarcosine

freshwater: 0.43 µg/l

marine water: 0.043 µg/l

intermittent release: 4.3 µg/l

STP: 13 mg/l

#### Components with DNEL

110-25-8: N-oleoylsarcosine

worker: Long-term exposure- systemic effects, Inhalation: 0.2 mg/m<sup>3</sup>

worker: Long-term exposure - local effects, Inhalation: 0.01 mg/m<sup>3</sup>

### 8.2. Exposure controls

#### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Gas filter EN 14387 A)

Hand protection:

chloroprene rubber (Neoprene)

Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Chemical resistant protective gloves (EN 374)

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Further information on penetration time is available from the manufacturer of the glove.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

#### General safety and hygiene measures

Do not breathe vapour/spray. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

## SECTION 9: Physical and Chemical Properties

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

Form:	liquid	
Colour:	amber	
Odour:	soap-like specific	
pH value:	not determined	
Melting point:	not determined	
onset of boiling:	100 °C	
Flash point:	100 °C	
Flammability:	hardly combustible	
Lower explosion limit:	not determined	
Ignition temperature:	not determined	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.020 g/cm <sup>3</sup> (20 °C)	(DIN 51757)
Solubility in water:	completely miscible	
Viscosity, kinematic:	(40 °C) not determined	
Explosion hazard:	not explosive	

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Fire promoting properties: not fire-propagating

## 9.2. Other information

Self heating ability: It is not a substance capable of spontaneous heating.

Miscibility with water: miscible

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## 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.

### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

### 10.5. Incompatible materials

Substances to avoid:  
strong bases, strong acids, strong oxidizing agents

### 10.6. Hazardous decomposition products

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

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## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:  
Based on available Data, the classification criteria are not met.

#### Irritation



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Assessment of irritating effects:

Not irritating to the skin. May cause severe damage to the eyes.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available Data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available Data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Based on available Data, the classification criteria are not met.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available Data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:

Based on available Data, the classification criteria are not met.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on available Data, the classification criteria are not met.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Based on available Data, the classification criteria are not met.

#### Aspiration hazard

No aspiration hazard expected.

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## **SECTION 12: Ecological Information**

### **12.1. Toxicity**

Assessment of aquatic toxicity:

There are no test results available for this product. Do not allow to enter drains or waterways. The mixture has been assessed following regulation (EC) No 1272/2008 and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details.

### **12.2. Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

No data available concerning biodegradation and elimination.

Elimination information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

### **12.3. Bioaccumulative potential**

Bioaccumulation potential:

No data available.

### **12.4. Mobility in soil**

Assessment transport between environmental compartments:

Adsorption in soil: No data available.

### **12.5. Results of PBT and vPvB assessment**

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

### **12.6. Other adverse effects**

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

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## **SECTION 13: Disposal Considerations**

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### 13.1. Waste treatment methods

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## SECTION 14: Transport Information

### Land transport

ADR

Not classified as a dangerous good under transport regulations

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

RID

Not classified as a dangerous good under transport regulations

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

### Inland waterway transport

ADN

Not classified as a dangerous good under transport regulations

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

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#### Transport in inland waterway vessel

Not evaluated

### **Sea transport**

#### IMDG

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### **Air transport**

#### IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

#### **14.1. UN number**

See corresponding entries for "UN number" for the respective regulations in the tables above.

#### **14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

#### **14.3. Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

#### **14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

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#### 14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

#### 14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

### SECTION 15: Regulatory Information

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

##### Prohibitions, Restrictions and Authorizations

Annex XVII of Regulation (EC) No 1907/2006: Number on List: 3

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):  
Listed in above regulation: no

#### 15.2. Chemical Safety Assessment

Chemical Safety Assessment not required

The general risk management measures related to the physico-chemical hazard of the product are communicated in chapter 2-14 of this SDS; they are to be considered by the (downstream) user when assessing the risks in accordance with his specific operating conditions and workplace environment.

### SECTION 16: Other Information

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Eye Dam./Irrit.	Serious eye damage/eye irritation
Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Aquatic Acute	Hazardous to the aquatic environment - acute
H318	Causes serious eye damage.

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H302	Harmful if swallowed.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.

#### Abbreviations

**ADR** = The Regulation concerning the International Carriage of Dangerous Goods by Road. **ADN** = The Regulation concerning the International Carriage of Dangerous Goods by inland waterways. **ATE** = Acute Toxicity Estimates. **CAO** = Cargo Aircraft Only. **CAS** = Chemical Abstract Service. **CLP** = Label Classification, Labelling and Packaging Regulation. **DIN** = German national organization for standardization. **DNEL** = Derived No Effect Level. **EC50** = Effective concentration median for 50% of the population. **EC** = European Community. **EN** = European Norm. **IARC** = International Agency for Research on Cancer. **IATA** = International Air Transport Association. **IBC-Code** = Intermediate Bulk Container code. **IMDG** = International Maritime Dangerous Goods Code. **ISO** = International Organization for Standardization. **STE** = Short time exposure. **LC50** = Lethal concentration median for 50% of the population. **LD50** = Lethal dose median for 50% of the population. **MAK** = Maximum acceptable concentration. **MARPOL** = The International Convention for the Prevention of Pollution from Ships. **NEN** = Dutch Norm. **NOEC** = No Observed Effect Concentration. **OEL** = Occupational Exposure Limit. **OECD** = Organization for Economic Cooperation and Development. **PBT** = Persistent, Bioaccumulative and Toxic. **PNEC** = Predicted No Effect Level. **ppm** = parts per million. **RID** = The Regulation concerning the International Carriage of Dangerous Goods by Rail. **TWA** = Time weight average. **UN-number** = UN number at transport. **vPvB** = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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