

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

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

- **1.1 Product identifier**
- **Molecular formula:** C<sub>3</sub> H<sub>6</sub> O
- **Structure formula:** C H<sub>3</sub> - C O - C H<sub>3</sub>
- **Trade name:** Acetone
- **MSDS number:** CH0014
- **CAS Number:**  
67-64-1
- **EC number:**  
200-662-2
- **Index number:**  
606-001-00-8
- **Registration number** 01-2119471330-49
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Life cycle stages**  
IS Use at industrial Sites  
F Formulation or re-packing
- **Sector of Use**  
SU9 Manufacture of fine chemicals  
SU24 Scientific research and development
- **Product category**  
PC21 Laboratory chemicals  
PC20 Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents  
PC29 Pharmaceuticals  
PC40 Extraction agents
- **Process category**  
PROC4 Chemical production where opportunity for exposure arises  
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.  
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions  
PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition  
PROC5 Mixing or blending in batch processes  
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)  
PROC15 Use as laboratory reagent
- **Environmental release category**  
ERC1 Manufacture of the substance  
ERC2 Formulation into mixture  
ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)  
ERC6a Use of intermediate
- **Application of the substance / the mixture** Chemicals products for laboratory
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
CARLO ERBA REAGENTS  
Chaussée du Vexin  
Parc d'Affaires des Portes - BP616  
27106 VAL DE REUIL Cedex  
Téléphone: +33 (0)2 32 09 20 00  
Télécopie: +33 (0)2 32 09 20 20
- **Further information obtainable from:**  
Q.A / Normative  
email: MSDS\_CER-SDS@cer.dgroup.it

(Contd. on page 2)

GB

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name:** Acetone

(Contd. of page 1)

· **1.4 Emergency telephone number:**

France (ORFILA 24h/24) - Tel : +33 (0)1 45 42 59 59

Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24)

EU Tel : 112

### SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

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



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

· **2.2 Label elements**

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

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

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Danger

· **Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

· **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

· **2.3 Other hazards -**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

GB

(Contd. on page 3)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name: Acetone**

(Contd. of page 2)

### SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**  
67-64-1 Acetone
- **Identification number(s)**
- **EC number:** 200-662-2
- **Index number:** 606-001-00-8

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Supply fresh air.
- **After skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:**  
Seek immediate medical advice.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Information for doctor:** Show the doctor this Material Safety Data Sheet.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **General Information:**  
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub> or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **5.2 Special hazards arising from the substance or mixture** Carbon monoxide and carbon dioxide
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
Do not inhale gases in case of fire or combustion.
- **Additional information** Keep receptacles cool with water spray.

### SECTION 6: Accidental release measures

- **General Information:** Use proper personal protective equipment as indicated in Section 8.
- **6.1 Personal precautions, protective equipment and emergency procedures**  
Keep away any ignition source.  
Wear protective equipment. Keep unprotected persons away.  
If vapours / aerosols are formed, use personal protective equipment.  
Ensure adequate ventilation
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water after collecting the liquid.

(Contd. on page 4)

## **Safety data sheet** **according to 1907/2006/EC, Article 31**

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name: Acetone**

(Contd. of page 3)

*Do not allow product to reach sewage system or any water course.*

*Prevent seepage into sewage system, workpits and cellars.*

· **6.3 Methods and material for containment and cleaning up:**

*Collect the liquid with vacuum in a suitable container and absorb the remainder with a porous material (diatomite, acid binders, universal binders, etc).*

*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**

*Store in cool, dry place in tightly closed receptacles.*

*Keep away from heat and direct sunlight.*

*Only handle and refill product in closed systems or under local exhaust.*

*Prevent formation of aerosols.*

*Pneumatic conveyance only with nitrogen or other inert gases.*

· **Information about fire - and explosion protection:**



*Keep ignition sources away - Do not smoke.*

*Protect from heat.*

*Protect against electrostatic charges.*

*Use explosion-proof apparatus / fittings and spark-proof tools.*

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

*Store in a cool location.*

*Use only receptacles specifically permitted for this substance/product.*

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

· **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

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

### SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 67-64-1 Acetone**

WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm

Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm

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

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

*Do not inhale fumes / aerosols.*

*Keep away from foodstuffs, beverages and feed.*

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name: Acetone**

(Contd. of page 4)

*Wash hands before breaks and at the end of work.*

*Avoid contact with the eyes and skin.*

· **Respiratory protection:**

*Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.*



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

*Suitable respiratory protective device recommended in case of leakages or handling in open devices.*

*The selected respiratory protection must comply with standard EN 136/140/143/145/149.*

· **Protection of hands:**

*The selected protective gloves have to satisfy the specifications of REGULATION (EU) 2016/425 and the standard EN 374 derived from it.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*



*Protective gloves*

*Rubber gloves*

*Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.*

· **Material of gloves**

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.*

*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.*

*Recommended thickness of the material:  $\geq 0.5$  mm*

*Butyl rubber, BR*

· **Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

· **Not suitable are gloves made of the following materials:**

*Chloroprene rubber, CR*

*Natural rubber, NR*

*Nitrile rubber, NBR*

*Fluorocarbon rubber (Viton)*

*PVC gloves*

· **Eye protection:**



*Tightly sealed goggles*

· **Body protection:** *Protective work clothing*

· **Risk management measures** *Keep good industrial hygiene.*

GB

(Contd. on page 6)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name: Acetone**

(Contd. of page 5)

### SECTION 9: Physical and chemical properties

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

· Molecular weight	58.01 g
· Appearance:	
Form:	Fluid
Colour:	Colourless
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Important information on protection of health and environment, and on safety.	MIE (TRGS-727) 0.55 mJ

· pH-value:	Not determined.
-------------	-----------------

#### · Change in condition

Melting point/freezing point:	-94.7 °C
Initial boiling point and boiling range:	55.8-56.6 °C
· Flash point:	-18 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	465 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Not determined.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	2.6 Vol %
Upper:	13 Vol %
· Vapour pressure at 20 °C:	233 hPa
· Vapour pressure (2) at 50 °C:	800 hPa
· Density at 20 °C:	0.79 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Fully miscible.
· organic solvents:	Soluble in many organic solvents.

· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic at 20 °C:	32 mPas
Kinematic:	Not determined.
· 9.2 Other information	No further relevant information available.

### SECTION 10: Stability and reactivity

- 10.1 Reactivity See 10.3
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: Conditions to Avoid: Heat, flames and sparks.
- 10.3 Possibility of hazardous reactions  
Can react violently with oxygen rich (oxidizing) material. Danger of Explosion.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: Strong bases

(Contd. on page 7)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name: Acetone**

· **10.6 Hazardous decomposition products:** Carbon monoxide, Carbon dioxide.

(Contd. of page 6)

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · **LD/LC50 values relevant for classification:**

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rbt)
Inhalative	LC50/4 h	150 mg/L (rat) 70000 ppm

- **Primary irritant effect:**
- **Skin corrosion/irritation** May cause skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Ingestion:** It can be harmful if swallowed.
- **Inhalation:** May be harmful if inhaled.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Other information (about experimental toxicology):** No more relevant data available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **Method**
- **Ecological information** The product is easily biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

GB

(Contd. on page 8)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name: Acetone**

(Contd. of page 7)

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Reutilise if possible or contact a waste processors for recycling or safe disposal.

##### · Waste disposal key:

The European Union does not establish uniform rules for the disposal of chemical waste, which are special waste. Their treatment and elimination of the domestic legislation of each country. So, in each case, you should contact the relevant authorities, or those companies legally authorized for elimination of waste.

2014/955/UE: Council Decision of 18 December 2014 amending the list of wastes contained in Decision 2000/532/EC.

Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

##### · Uncleaned packaging:

The containers and packaging materials contaminated with dangerous substances or preparations, have the same treatment of products.

Directive 94/62/EC of the European Parliament and the Council of 20 December 1994 on packaging and packaging waste.

##### · Recommendation:

Disposal must be made according to official regulations.

Wash with solvents to be incinerated.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

##### · Recommended cleansing agents: Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

#### · 14.1 UN-Number

##### · ADR, IMDG, IATA

UN1090

#### · 14.2 UN proper shipping name

##### · ADR

1090 ACETONE

##### · IMDG, IATA

ACETONE

#### · 14.3 Transport hazard class(es)

##### · ADR



##### · Class

3 (F1) Flammable liquids.

##### · Label

3

##### · IMDG, IATA



##### · Class

3 Flammable liquids.

##### · Label

3

#### · 14.4 Packing group

##### · ADR, IMDG, IATA

II

(Contd. on page 9)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name: Acetone**

(Contd. of page 8)

- |  |  |
|--|--|
| · <b>14.5 Environmental hazards:</b>   |  |
| · <b>Marine pollutant:</b>   | No   |
| · <b>14.6 Special precautions for user</b>                                       |  |
| · <b>Danger code (Kemler):</b>   | Warning: Flammable liquids.                      |
| · <b>EMS Number:</b>   | 33   |
| · <b>Stowage Category</b>  | F-E,S-D  |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> |  |
| Not applicable.  |  |
| · <b>Transport/Additional information:</b>                                       |  |
| · <b>ADR</b>   |  |
| · <b>Excepted quantities (EQ):</b>   | E2   |
| · <b>Limited quantities (LQ)</b>   | 1L   |
| · <b>Excepted quantities (EQ)</b>  | Code: E2   |
|  | Maximum net quantity per inner packaging: 30 ml  |
|  | Maximum net quantity per outer packaging: 500 ml |
| · <b>Transport category</b>  | 2  |
| · <b>Tunnel restriction code</b>   | D/E  |
| · <b>IMDG</b>  |  |
| · <b>Limited quantities (LQ)</b>   | 1L   |
| · <b>Excepted quantities (EQ)</b>  | Code: E2   |
|  | Maximum net quantity per inner packaging: 30 ml  |
|  | Maximum net quantity per outer packaging: 500 ml |
| · <b>UN "Model Regulation":</b>  | UN 1090 ACETONE, 3, II                           |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - Directive 2012/18/EU
  - **Named dangerous substances - ANNEX I** Substance is not listed.
  - **Seveso category** P5c FLAMMABLE LIQUIDS
  - **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
  - **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
  - **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 40
  - **National regulations:**
  - **Information about limitation of use:** -
  - **Technical instructions (air):**
- | Class | Share in % |
|-------|------------|
| NK    | 50-100     |
- **Waterhazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.
  - **15.2 Chemical safety assessment:** A Chemical Safety Assessment has 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.

- **Department issuing SDS:** Q.A./Normative

(Contd. on page 10)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name: Acetone**

(Contd. of page 9)

#### · **References**

*ECDIN (Environmental Chem. Data and Information Network)*  
*IUCLID (International Uniform Chemical Information Database)*  
*NIOSH - Registry of Toxic Effects of Chemical Substances*  
*Roth - Wassergefährdende Stoffe*  
*Verschuieren - Handbook of Environmental Data on Organic Chemicals*  
*ChemDAT - Safety Data Sheets from E.Merck on CD-ROM*  
*Merian - Metals and their compounds in the environment*

#### · **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*  
*DNEL : Derived No Effect Level*  
*PNEC : Predicted No Effect Concentration*  
*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*  
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*Flam. Liq. 2: Flammable liquids – Category 2*  
*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*  
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*

#### · **Sources**

*Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006, REACH, in latest valid version.*  
*Regulation (EC) N° 1272/2008 of the European Parliament and of the Council of 16 December 2008, CLP, in the latest valid version.*  
*Globally Harmonized System, GHS*  
*ADR2017*

#### · **\* Data compared to the previous version altered.**

*The sections where alterations took place are marked with an asterisk in the left border.*

GB

(Contd. on page 11)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name: Acetone**

(Contd. of page 10)

### **Annex: Exposure scenario**

- **Short title of the exposure scenario** Substance manufacturing
- **Sector of Use**  
SU9 Manufacture of fine chemicals  
Industrial use.
- **Product category**  
PC21 Laboratory chemicals  
PC20 Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents  
PC29 Pharmaceuticals  
PC40 Extraction agents
- **Process category**  
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
- **Environmental release category** ERC1 Manufacture of the substance
- **Description of the activities / processes covered in the Exposure Scenario**  
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**  
According to directions for use.  
Customary application according to section 1.
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**  
The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.
- **Physical state**  
Fluid  
Fluid
- **Concentration of the substance in the mixture** Raw material.
- **Used amount per time or activity** According to directions for use.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure**  
No special measures required.  
Observe section 6 of the Safety Data Sheet (Accidental release measures).
- **Other operational conditions affecting worker exposure**  
Avoid contact with eyes.  
Take precautionary measures against static discharge.  
Keep away from sources of ignition - No smoking.
- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures**  
No special measures required.  
Keep good industrial hygiene.
- **Technical protective measures**  
Provide explosion-proof electrical equipment.  
Ensure that suitable extractors are available on processing machines
- **Personal protective measures**  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes.  
Tightly sealed goggles  
The selected protective gloves have to satisfy the specifications of REGULATION (EU) 2016/425 and the standard EN 374 derived from it.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  
Protective gloves

(Contd. on page 12)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Printing date 29.03.2018

Version number 18

Revision: 29.03.2018

**Trade name: Acetone**

(Contd. of page 11)

*Rubber gloves**Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.**Tightly sealed goggles***· Measures for consumer protection***Ensure adequate labelling.**Keep locked up and out of the reach of children.***· Environmental protection measures****· Water** *No special measures required.***· Notes** *In case of unintended release of the product: See section 6 of the Safety Data Sheet.***· Disposal measures***Disposal must be made according to official regulations.**Ensure that waste is collected and contained.***· Disposal procedures***Must not be disposed together with household garbage. Do not allow product to reach sewage system.***· Waste type** *Partially emptied and uncleaned packaging***· Exposure estimation****· Consumer** *Not relevant for this Exposure Scenario.***· Guidance for downstream users***No further relevant information available.**Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.*

GB