



# Safety Data Sheet

## ACC 2200

Safety Data Sheet dated 21/3/2016, version 1  
In compliance with Regulation (EC) 2015/830

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

#### 1.1. Product identifier

Mixture identification:  
Trade name: ACC 2200  
Product type: alkaline cleaner

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

Recommended use:  
Washing and cleaning products (including solvent based products)  
Uses advised against:  
None in particular

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

Supplier:  
AirChem Consumables, LOB 10, Office # 10F14, JAFZA, Dubai, UAE- Tel: +971-4-881 8084, Fax: +971-4-881 6022, Email: airacc@acc.ae

Competent person responsible for the safety data sheet:  
airacc@acc.ae

#### 1.4. Emergency telephone number

AirChem Consumables, Tel: +971-4-881 8084, Fax: +971-4-881 6022, Email: airacc@acc.ae (from Sunday to Thursday from 09 AM to 6 PM; Saturdays 09 AM to 2:30 PM)

A list of Poison Control Centers is available at the following link:  
[http://www.who.int/gho/phe/chemical\\_safety/poisons\\_centres/en/](http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/)

### SECTION 2: Hazards identification

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

EC regulation criteria 1272/2008 (CLP)

Warning, Skin Irrit. 2, Causes skin irritation.  
 Danger, Eye Dam. 1, Causes serious eye damage.  
Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

#### Adverse physicochemical, human health and environmental effects:

If brought into contact with the eyes, the product causes serious eye injury, such as opacity of the cornea or lesions to the iris.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

EC regulation criteria 1272/2008 (CLP)

Symbols:



Danger

Hazard statements:

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P264 Wash the skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/clothing and eye/face protection.  
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.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contents:

Fatty alcohol C12 -15 ethoxylated  
2-aminoethanol  
Limonene: May produce an allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

#### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:





5-10 % Fatty alcohol C12 -15 ethoxylated

CAS: 68131-39-5

-  3.1/4/Oral Acute Tox. 4 H302
-  3.3/1 Eye Dam. 1 H318
-  4.1/A1 Aquatic Acute 1 H400







1-5 % 2-aminoethanol

REACH N°: 01-2119486455-28-XXXX, Index number: 603-030-00-8, CAS: 141-43-5, EC: 205-483-3

-  3.2/1B Skin Corr. 1B H314
-  3.1/4/Oral Acute Tox. 4 H302
-  3.1/4/Dermal Acute Tox. 4 H312
-  3.1/4/Inhal Acute Tox. 4 H332

0.1-1 % Limonene

Index number: 601-029-00-7, CAS: 5989-27-5, EC: 227-813-5

-  2.6/3 Flam. Liq. 3 H226
-  3.10/1 Asp. Tox. 1 H304
-  3.2/2 Skin Irrit. 2 H315
-  3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317
-  4.1/A1 Aquatic Acute 1 H400
-  4.1/C1 Aquatic Chronic 1 H410

Declaration of ingredients according to Detergent Regulation 648/2004:

non-ionic surfactants

5 - 15 %

aliphatic hydrocarbons

< 5 %

The product also contains:

Perfumes

Allergens:

Limonene

For the complete text of the hazard and risk phrases refer to paragraph 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

Give nothing to eat or drink.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
    - Wear personal protection equipment.
    - Remove all sources of ignition.
    - Remove persons to safety.
    - See protective measures under point 7 and 8.
  - 6.2. Environmental precautions
    - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
    - Retain contaminated washing water and dispose it.
    - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
    - Suitable material for taking up: absorbing material, organic, sand
  - 6.3. Methods and material for containment and cleaning up
    - Wash with plenty of water.
  - 6.4. Reference to other sections
    - See also section 8 and 13
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### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
    - Avoid contact with skin and eyes, inhalation of vapours and mists.
    - Don't use empty container before they have been cleaned.
    - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
    - Contaminated clothing should be changed before entering eating areas.
    - Do not eat or drink while working.
    - See also section 8 for recommended protective equipment.
  - 7.2. Conditions for safe storage, including any incompatibilities
    - Keep away from food, drink and feed.
    - Incompatible materials:
      - None in particular.
    - Instructions as regards storage premises:
      - Adequately ventilated premises.
  - 7.3. Specific end use(s)
    - For more information see Technical data bulletin
    - None in particular
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### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
  - Contained substances
    - 2-aminoethanol - CAS: 141-43-5
      - OEL - LTE mg/m<sup>3</sup>(8h): 2.5 - LTE ppm: 1 - STE mg/m<sup>3</sup>(15min): 7.6 - STE ppm: 3 - Behaviour: Binding -
      - Notes: Skin
      - ACGIH - LTE mg/m<sup>3</sup>(8h): 7.5 - LTE ppm: 3 - STE mg/m<sup>3</sup>(15min): 15 - STE ppm: 6 - Behaviour: Binding
      - Notes: Skin - Critical effects: Skin and eye irritation
    - (+)-p-Mentha-1,8-dien - CAS: 5989-27-5
      - Québec - LTE mg/m<sup>3</sup>(8h): 110 - LTE ppm: 20
  - DNEL Exposure Limit Values
    - 2-aminoethanol - CAS: 141-43-5
      - Consumer: 3.75 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
      - Worker Professional: 3.3 mg/m<sup>3</sup> - Consumer: 2 - U.M.: mg/m<sup>3</sup> - Exposure: Human Inhalation -
      - Frequency: Long Term, local effects
      - Worker Professional: 1 mg/kg - Consumer: 0.24 - U.M.: mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
  - PNEC Exposure Limit Values
    - 2-aminoethanol - CAS: 141-43-5
      - Target: Marine water - Value: 0.0085 mg/l
      - Target: Fresh Water - Value: 0.085 mg/l
      - Target: Occasional issue - Value: 0.025 mg/l
      - Target: Marine water sediments - Value: 0.0425 mg/kg
      - Target: Freshwater sediments - Value: 0.425 mg/kg
      - Target: Soil - Value: 0.035 mg/kg
      - Target: Sewerage treatment plants - Value: 100 mg/l
- 8.2. Exposure controls
  - Eye protection:
    - Use close fitting safety goggles, don't use eye lens.
  - Protection for skin:
    - Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
  - Protection for hands:
    - Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
  - Respiratory protection:
    - Not needed for normal use.
  - Thermal Hazards:
    - None
  - Environmental exposure controls:

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None  
 Appropriate engineering controls:  
 None

### SECTION 9: Physical and chemical properties

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

Properties	Value	Method:	Notes:
Appearance and colour:	Blue scented liquid	--	--
Odour:	Citrus	--	--
Odour threshold:	n.av. mg/m3	--	--
pH:	< 11.5	--	--
Melting point / freezing point:	Initial 0 °C	--	--
Initial boiling point and boiling range:	Initial 100 °C	--	--
Flash point:	None °C	--	--
Evaporation rate:	na	--	--
Solid/gas flammability:	na	--	--
Upper/lower flammability or explosive limits:	na % v/v	--	--
Vapour pressure:	3.2 kPa	--	--
Vapour density (air=1):	> 1	--	--
Relative density:	1.01 g/ml	--	--
Solubility in water:	Complete	--	--
Solubility in oil:	na	--	--
Partition coefficient (n-octanol/water):	n.av.	--	--
Auto-ignition temperature:	na °C	--	--
Decomposition temperature:	n.av. °C	--	--
Viscosity:	n.av. mPa.s	--	--
Explosive properties:	Not explosive	--	--
Oxidizing properties:	Not Oxidant	--	--

#### 9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Complete in water	--	--
Fat Solubility:	na	--	--
Conductivity:	n.av.	--	--
Substance Groups relevant	n.av.	--	--

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properties:			
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### SECTION 10: Stability and reactivity

- 10.1. Reactivity  
Stable under normal conditions
- 10.2. Chemical stability  
Stable under normal conditions
- 10.3. Possibility of hazardous reactions  
None
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
None in particular.
- 10.6. Hazardous decomposition products  
None.

### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects  
Toxicological information of the product:  
Not applicable
- Toxicological information of the main substances found in the mixture:  
Fatty alcohol C12 -15 ethoxylated - CAS: 68131-39-5  
Type: a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 300 - U.M.: mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit - Op.: > - Value: 2000 - U.M.: mg/kg  
Type: b) skin corrosion/irritation:  
Test: Skin Irritant - Op.: Negative  
Type: c) serious eye damage/irritation:  
Test: Eye Irritant - Route: EYES - Species: Rabbit - Op.: Yes
- 2-aminoethanol - CAS: 141-43-5  
Type: a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 1515 - U.M.: mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 2504 - U.M.: mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat - Op.: = - Value: 1.48 - U.M.: mg/l - Duration: 4 hours  
Type: b) skin corrosion/irritation:  
Test: Skin Corrosive - Route: Skin - Species: Rat - Op.: Positive - Notes: Also severe irritation, chemical burns  
Type: c) serious eye damage/irritation:  
Test: Eye Corrosive - Route: EYES - Op.: Positive - Notes: Also severe irritation  
Type: j) aspiration hazard:  
Test: Respiratory Tract Irritant - Route: Inhalation - Species: MAN - Op.: Positive - Notes: bronchitis, edema, depression of the central nervous system.
- (+)-p-Mentha-1,8-dien - CAS: 5989-27-5  
Type: a) acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 4400 - U.M.: mg/kg  
Test: LD50 - Route: Oral - Species: Mouse - Op.: > - Value: 5500 - U.M.: mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit - Op.: > - Value: 2000 - U.M.: mg/kg

If not differently specified, the information required in Regulation 2015/830/EC listed below must be considered as N.AV.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

### SECTION 12: Ecological information

- 12.1. Toxicity  
Based on the information available it is not expected that this product may cause any adverse environmental effect when use instructions and disposal recommendations are followed.  
Adopt good working practices, so that the product is not released into the environment.  
List of substances hazardous to the environment and eco-toxicological information available:  
Fatty alcohol C12 -15 ethoxylated - CAS: 68131-39-5  
a) Aquatic acute toxicity:  
LC50 Fish > 1 mg/l 96 Cyprinus carpio  
EC50 Daphnia > 1 mg/l 48 Daphnia magna  
e) Plant toxicity:  
EC50 Algae > 1 mg/l 72 Desmodesmus subspicatus  
2-aminoethanol - CAS: 141-43-5

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- a) Aquatic acute toxicity:  
LC50 Fish = 349 mg/l 96 Cyprinus carpio  
LC50 Fish = 170 mg/l 170 Carassius auratus  
EC50 Daphnia = 65 mg/l 48 Daphnia magna  
EC50 Algae = 2.5 mg/l 72 Pseudokirchneriella subcapitata  
EC50 Algae = 22 mg/l 72 Scenedesmus subspicatus  
(+)-p-Mentha-1,8-dien - CAS: 5989-27-5

- a) Aquatic acute toxicity:  
LC50 Fish = 33 mg/l 96 Pimephales promelas  
EC50 Daphnia = 69.6 mg/l 48

### 12.2. Persistence and degradability

Fatty alcohol C12 -15 ethoxylated - CAS: 68131-39-5

Biodegradability: Readily biodegradable - Test: OCSE 301 A: COD, depletion of dissolved organic carbon -  
Duration: 28 days - %: Not applicable - Notes: Not applicable

2-aminoethanol - CAS: 141-43-5

Biodegradability: Readily biodegradable - Test: Not applicable - Duration: 20 days - %: 90 - Notes: Not applicable

Regulation (EC) No. 648/2004 on Detergents and amendments:

Surfactant(s) contained in this preparation comply with biodegradability criteria as defined in (EC) regulations on detergents.

### 12.3. Bioaccumulative potential

Fatty alcohol C12 -15 ethoxylated - CAS: 68131-39-5

Bioaccumulation: Not bioaccumulative - Test: Not applicable - Duration: Not applicable - Notes: Not applicable

2-aminoethanol - CAS: 141-43-5

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient -1.9 - Duration: Not applicable - Notes: Not applicable

### 12.4. Mobility in soil

Fatty alcohol C12 -15 ethoxylated - CAS: 68131-39-5

Mobility in soil: Mobile - Test: Not applicable - Duration: Not applicable - Notes: Not applicable

2-aminoethanol - CAS: 141-43-5

Mobility in soil: Mobile - Test: Not applicable - Duration: Not applicable - Notes: Not applicable

### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

### 12.6. Other adverse effects

None

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product and its residue:

Do not dispose in the canals of wastewater, waterways and soil.

The codes indicating the type of waste are considered based on the recommendations and scheduled use of this product. Different codes may be assigned based on the end user's use and the characteristics of the disposal.

Waste code CER/EWC (2000/532/CE), attributable to the product as:

07 06 01\* Aqueous solution of washing and mother liquors

HP4

Any remaining product should be disposed of with the material.

Containers/contaminated packaging

Containers, even completely empty, must not be disposed in the environment. The packagings which can not be cleaned should be disposed of as the material.

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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## SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

### 14.1 UN number:

Not applicable

### 14.2 UN proper shipping name:

Not applicable

### 14.3 Transport hazard class(es):

Not applicable

### 14.4 Packing Group:

Not applicable

### 14.5 Environmental hazards

ADR-Environmental Pollutant: No

IMDG-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

No

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## SECTION 15: Regulatory information

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

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Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

No restriction.

Volatile Organic compounds - VOCs = 85.61 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.04

Where applicable, refer to the following regulatory provisions :

Regulation (EC) n° 648/2004 (detergents).

15.2. Chemical safety assessment

Not available

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### SECTION 16: Other information

Full text of phrases referred to in Section 3:

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H314 Causes severe skin burns and eye damage.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

This safety data sheet has been completely updated in compliance to Regulation 2015/830.

This document was prepared by a competent person who has received appropriate training.

This MSDS cancels and replaces any preceding release.

Where applicable, refer to the following regulatory provisions :

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments; Regulation (EC) n°1272/2008; Regulation (EC) N. 790/2009 (annex VI), Regulation (EC) n. 1907/2006 (REACH).

Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments; Commission Directive n. 2006/8/CE.

Directive 2003/105/EC ('Activities linked to risks of serious accidents') and subsequent amendments.

Directive 2013/10/EU (aerosols) amending Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) n° 1272/2008 on classification, labelling and packaging of substances and mixtures and subsequent amendments.

Regulation (EC) No 1223/2009 on cosmetic products and subsequent amendments.

Regulation (EU) No 126/2013 amending Annex XVII to Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and subsequent amendments. Regulation (EC) N. 304/2003 and subsequent amendments. Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products and subsequent amendments.

EU Regulation 1357/2014 (Disposal of waste ) and subsequent amendments.

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), current edition.

Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition.

IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.

Main bibliographic sources:

The ISS National Inventory of Chemical Substances (INSC)

ESIS: European chemical Substances Information System and Environmental hazard classification.

Occupational exposure limit values (Commission Directives 2000/39/EC and 2006/15/CE)

ACGIH - TLV's for 2010

NIOSH - Registry of toxic effects of chemical substances (1983)

Material Safety Data Sheets of chemicals, REACH database

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Material Safety Data Sheet and Technical Data of raw material as by Supplier.

### Abbreviations and acronyms:

TLV-TWA = Threshold Limit Value- time-weighted average, 8-hour workday, 40-hour workweek; TLV-STEL-15 min = Threshold Limit Values - Short Term Exposure Limit; TLV-C = Ceiling exposure limit; Notes: IBE= Biological Exposure Indices; SEN= sensitizer; Skin= Can be absorbed through the skin. Carcinogenicity categories: A1 / A2 = confirmed / suspected human carcinogen; A3 = Animal carcinogen; A4 / A5 = Not Classifiable/not suspected as a human carcinogen. ACGIH = American Conference on Governmental Industrial Hygienists. OEL =Occupational Exposure Limit. VLPE = Occupational Exposure Limit Values. LTE =long term exposure, STE=short term exposure.

n.av.= Not Available, n.a. = not applicable; LD50=lethal dose (solids and liquids), LC50=lethal concentration (gases) that will kill 50% of the test animals; ADR= European Agreement concerning the International Carriage of Dangerous Goods by Road. Regulations IATA/ICAO = Dangerous Goods Regulations by air, current edition.

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail, current edition. IMDG Code = International Maritime Dangerous Goods Code produced by the International Maritime Organization (IMO), current edition.

PBT = Persistent, Bioaccumulative and Toxic substances. ; vPvB = very Persistent and very Bioaccumulative substances; CMR = Carcinogenic, mutagenic or reproduction toxic substances.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.