



Safety Data Sheet



ACC 2240

Safety Data Sheet dated 1/6/2016, 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 2240
- 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/

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
 Danger, Eye Dam. 1, Causes serious eye damage.
Adverse physicochemical, human health and environmental effects:
If brought into contact with the skin, the product may cause sensitisation of the skin.
- 2.2. Label elements
EC regulation criteria 1272/2008 (CLP)
Hazard pictograms:

Danger
Hazard statements:
H318 Causes serious eye damage.
Precautionary statements:
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.
Special Provisions:
None
Contents:
Sodium lauryl ethoxy sulfate
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
- 3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:
1-5 % Sodium lauryl ethoxy sulfate
CAS: 68585-34-2, EC: 500-223-8
 3.2/2 Skin Irrit. 2 H315
 3.3/1 Eye Dam. 1 H318
- 0.1-1 % Acetic acid
Index number: 607-002-00-6, CAS: 64-19-7, EC: 200-580-7
 2.6/3 Flam. Liq. 3 H226
 3.2/1A Skin Corr. 1A H314
- <0.1% Propan-2-ol

FACC2240/1

Page n. 1 of 10

Safety Data Sheet

ACC 2240

REACH N°: 01-2119457558-25-XXXX, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7

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2.6/2 Flam. Liq. 2 H225
3.3/2 Eye Irrit. 2 H319
3.8/3 STOT SE 3 H336

<0.1% Benzyl alcohol
REACH N°: 01-2119492630-38-XXXX, Index number: 603-057-00-5, CAS: 100-51-6, EC: 202-859-9

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3.1/4/Oral Acute Tox. 4 H302
3.3/2 Eye Irrit. 2 H319
3.1/4/Inhal Acute Tox. 4 H332

<0.1% 1-methoxy-2-propanol
REACH N°: 01-2119457435-35-XXXX, Index number: 603-064-00-3, CAS: 107-98-2, EC: 203-539-1

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2.6/3 Flam. Liq. 3 H226
3.8/3 STOT SE 3 H336

Declaration of ingredients according to Detergent Regulation 648/2004:

phosphates	5 - 15 %
amphoteric surfactants	< 5 %
The product also contains:	Perfumes
Allergens:	Limonene
Preservatives:	Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one

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.

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.

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 (CO₂).

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

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.

Safety Data Sheet

ACC 2240

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

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)

Detergente per tappeti e moquette

For more information see Technical data bulletin

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contained substances

Acetic acid - CAS: 64-19-7

ACGIH - LTE mg/m³(8h): 25 - LTE ppm: 10 - STE mg/m³(15min): 37 - STE ppm: 15 - Behaviour:

Binding - Critical effects: Eye irritation and upper respiratory tract, lung function.

EU - LTE mg/m³(8h): 25 - LTE ppm: 10

Propan-2-ol - CAS: 67-63-0

EU - LTE mg/m³(8h): 375 - LTE ppm: 100 - STE mg/m³(15min): 568 - STE ppm: 150 - Behaviour:

Binding - Notes: A4, IBE

ACGIH - LTE mg/m³(8h): 492 - LTE ppm: 200 - STE mg/m³(15min): 983 - STE ppm: 400 - Behaviour:

Binding - Notes: A4, IBE - Critical effects: Irritation of the upper respiratory tract and eye, central nervous system.

Benzyl alcohol - CAS: 100-51-6

EU - LTE mg/m³(8h): 10 - Behaviour: Binding

1-methoxy-2-propanol - CAS: 107-98-2

EU - LTE mg/m³(8h): 375 - LTE ppm: 100 - STE mg/m³(15min): 563 - STE ppm: 150 - Behaviour:

Binding

ACGIH - LTE mg/m³(8h): 184 - LTE ppm: 50 - STE mg/m³(15min): 368 - STE ppm: 100 - Notes: A4 -

Critical effects: eye irritation and upper respiratory tract.

DNEL Exposure Limit Values

Acetic acid - CAS: 64-19-7

Worker Professional: 25 mg/m³ - Consumer: 25 - U.M.: mg/m³ - Exposure: Human Inhalation -

Frequency: Short Term, local effects

Worker Professional: 25 mg/m³ - Consumer: 25 - U.M.: mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, local effects

Propan-2-ol - CAS: 67-63-0

Worker Professional: 888 mg/kg - Consumer: 319 - U.M.: mg/kg - Exposure: Human Dermal -

Frequency: Long Term (repeated)

Worker Professional: 500 mg/m³ - Consumer: 89 - U.M.: mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term (repeated)

Consumer: 26 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)

Benzyl alcohol - CAS: 100-51-6

Worker Professional: 47 mg/kg - Consumer: 28.5 - U.M.: mg/kg - Exposure: Human Dermal - Frequency:

Short Term, systemic effects

Worker Professional: 450 mg/m³ - Consumer: 95.5 - U.M.: mg/m³ - Exposure: Human Inhalation -

Frequency: Short Term, systemic effects

Worker Professional: 9.5 mg/kg - Consumer: 5.7 - U.M.: mg/kg - Exposure: Human Dermal - Frequency:

Long Term, systemic effects

Worker Professional: 90 mg/m³ - Consumer: 19.1 - U.M.: mg/kg - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 25 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Consumer: 5 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

1-methoxy-2-propanol - CAS: 107-98-2

Worker Professional: 369 mg/m³ - Consumer: 43.9 - U.M.: mg/m³ - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Worker Professional: 553.5 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 50.6 mg/kg - Consumer: 18.1 - U.M.: mg/kg - Exposure: Human Dermal -

Safety Data Sheet

ACC 2240

Frequency: Long Term, systemic effects

Consumer: 3.3 - U.M.: mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

Acetic acid - CAS: 64-19-7

Target: Marine water sediments - Value: 1.136 mg/kg

Target: Soil - Value: 0.47 mg/kg

Target: Fresh Water - Value: 3.058 mg/l

Target: Marine water - Value: 0.3058 mg/l

Target: Occasional issue - Value: 30.58 mg/l

Target: Freshwater sediments - Value: 11.36 mg/kg

Target: Sewerage treatment plants - Value: 85 mg/l

Benzyl alcohol - CAS: 100-51-6

Target: Soil - Value: 0.456 mg/kg

Target: Sewerage treatment plants - Value: 39 mg/l

Target: Freshwater sediments - Value: 5.27 mg/kg

Target: Marine water sediments - Value: 0.527 mg/kg

Target: Marine water - Value: 0.1 mg/l

1-methoxy-2-propanol - CAS: 107-98-2

Target: Occasional issue - Value: 100 mg/l

Target: Freshwater sediments - Value: 100 mg/l

Target: Marine water sediments - Value: 5.2 mg/kg

Target: Soil - Value: 5.49 mg/kg

Target: Fresh Water - Value: 10 mg/l

Target: Marine water - Value: 1 mg/l

Target: Soil (agricultural) - Value: 52.3 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:

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:	Clear scented liquid	--	--
Odour:	Fresh	--	--
Odour threshold:	n.av. mg/m3	--	--
pH:	8.5	--	--
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	--	--

Safety Data Sheet

ACC 2240

Vapour density (air=1):	> 1	--	--
Relative density:	1.1 g/ml	--	--
Solubility in water:	Complete	--	--
Solubility in oil:	na	--	--
Partition coefficient (n-octanol/water):	n.av.	--	--
Auto-ignition temperature:	n.av. °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 properties:	n.av.	--	--

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:
Sodium lauryl ethoxy sulfate - CAS: 68585-34-2
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: > - Value: 2000 - 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 - Route: Skin - Op.: Positive
Type: c) serious eye damage/irritation:
Test: Eye Irritant - Route: EYES - Op.: Positive
- Acetic acid - CAS: 64-19-7
Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 3530 - U.M.: mg/kg
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 3310 - U.M.: mg/kg
Test: LD50 - Route: Oral - Species: Mouse - Op.: = - Value: 4960 - U.M.: mg/kg
Test: LC50 - Route: Inhalation - Species: Rat - Op.: > - Value: 40 - U.M.: mg/l - Duration: 4 hours

Safety Data Sheet

ACC 2240

Test: LC50 - Route: Inhalation - Species: Mouse - Op.: = - Value: 5620 - U.M.: Ppm - Duration: 1 hour - Source: RTECS

Type: b) skin corrosion/irritation:
Test: Skin Corrosive - Route: Skin - Species: Rat - Op.: Positive - Source: OECD 404
Test: Eye Corrosive - Route: EYES - Species: Rabbit - Op.: Positive - Source: OECD 405

Propan-2-ol - CAS: 67-63-0

Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 5.84 - U.M.: g/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 16.4 - U.M.: ml/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 12870 - U.M.: mg/kg
Test: LC50 - Route: Inhalation - Species: Rat - Op.: = - Value: 72.6 - U.M.: mg/l - Duration: 4 hours
Test: LC50 - Route: Inhalation Vapour - Species: Rat - Op.: > - Value: 10000 - U.M.: Ppm - Duration: 6 hours -
Notes: Male and female

Type: b) skin corrosion/irritation:
Test: Skin Irritant - Species: Rabbit - Op.: Positive

Type: c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit - Op.: Positive

Type: f) carcinogenicity:
Test: NOAEC - Species: Rat - Op.: = - Value: 5000 - U.M.: Ppm

Type: g) reproductive toxicity:
Test: NOAEL - Species: Rabbit - Op.: = - Value: 480 - U.M.: mg/kg

Benzyl alcohol - CAS: 100-51-6

Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 1230 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: = - Value: 2000 - U.M.: mg/kg
Test: LC50 - Route: Inhalation - Species: Rat - Op.: = - Value: 1000 - U.M.: Ppm - Duration: 8 hours
Test: LC50 - Route: Inhalation - Species: Rat - Op.: > - Value: 4178 - U.M.: mg/l - Duration: 4 hours

1-methoxy-2-propanol - CAS: 107-98-2

Type: a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat - Op.: = - Value: 4016 - U.M.: mg/kg
Test: LD50 - Route: Skin - Species: Rabbit - Op.: > - Value: 2000 - U.M.: mg/kg
Test: LC50 - Route: Inhalation - Species: Rat - Op.: > - Value: 25.8 - U.M.: mg/l
Test: LC0 - Route: Inhalation - Species: Rat - Op.: > - Value: 7000 - U.M.: Ppm - Duration: 6 hours

Type: b) skin corrosion/irritation:
Test: Skin Irritant - Species: MAN - Op.: Positive
Test: Eye Irritant - Species: MAN - Op.: Positive

Type: e) germ cell mutagenicity:
Test: NOAEL - Species: Rat - Op.: = - Value: 300 - U.M.: Ppm

Type: f) carcinogenicity:
Test: NOAEC - Species: Mouse - Op.: = - Value: 3000 - U.M.: Ppm

Type: g) reproductive toxicity:
Test: NOAEL - Species: Rat - Op.: = - Value: 1500 - U.M.: Ppm

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- 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:

Sodium lauryl ethoxy sulfate - CAS: 68585-34-2

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: = - Value: 7.1 - U.M.: mg/l - Duration h: 96 - Notes: Brachydanio rerio

Endpoint: EC50 - Species: Daphnia - Op.: = - Value: 7.7 - U.M.: mg/l - Duration h: 48

Endpoint: IC50 - Species: Algae - Op.: = - Value: 12 - U.M.: mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

Acetic acid - CAS: 64-19-7

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: = - Value: 75 - U.M.: mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: LC50 - Species: Fish - Op.: = - Value: 106 - U.M.: mg/l - Duration h: 24 - Notes: Ciprinidi

Safety Data Sheet

ACC 2240

Endpoint: LC50 - Species: Fish - Op.: = - Value: 251 - U.M.: mg/l - Duration h: 24 - Notes: *Gambusia affinis*
Endpoint: LC50 - Species: Fish - Op.: > - Value: 300.82 - U.M.: mg/l - Duration h: 96 - Notes: *Oncorhynchus mykiss*
Endpoint: EC50 - Species: *Daphnia* - Op.: > - Value: 300.82 - U.M.: mg/l - Duration h: 48 - Notes: *Daphnia magna*
Endpoint: LC50 - Species: *Daphnia* - Op.: = - Value: 310 - U.M.: mg/l - Duration h: 48
Endpoint: IC50 - Species: *Daphnia* - Op.: = - Value: 47 - U.M.: mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae - Op.: > - Value: 300.82 - U.M.: mg/l - Duration h: 72 - Notes: *Skeletonema costatum*

Propan-2-ol - CAS: 67-63-0

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: = - Value: 1400 - U.M.: mg/l - Duration h: 96 - Notes: *Lepomis macrochirus*
Endpoint: LC50 - Species: Fish - Op.: = - Value: 9640 - U.M.: mg/l - Duration h: 96 - Notes: *Pimephales promelas*
Endpoint: LC50 - Species: Fish - Op.: > - Value: 100 - U.M.: mg/l - Duration h: 96 - Notes: *Pimephales promelas*
Endpoint: EC50 - Species: *Daphnia* - Op.: = - Value: 2285 - U.M.: mg/l - Duration h: 48 - Notes: *Daphnia magna*
Endpoint: EC50 - Species: *Daphnia* - Op.: > - Value: 100 - U.M.: mg/l - Duration h: 48 - Notes: *Daphnia magna*
Endpoint: EC50 - Species: Algae - Op.: = - Value: 100 - U.M.: mg/l - Duration h: 72 - Notes: *Scenedesmus subspicatus*
Endpoint: EC50 - Species: Algae - Op.: > - Value: 100 - U.M.: mg/l - Duration h: 72 - Notes: *Scenedesmus subspicatus*

Type: b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: *Daphnia* - Op.: = - Value: 30 - U.M.: mg/l - Duration h: 504 - Notes: *Daphnia magna*

Benzyl alcohol - CAS: 100-51-6

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: = - Value: 10 - U.M.: mg/l - Duration h: 96 - Notes: *Lepomis Macrochirus*
Endpoint: LC50 - Species: Fish - Op.: = - Value: 770 - U.M.: mg/l - Duration h: 1 - Notes: *Pimephales promelas*
Endpoint: EC50 - Species: *Daphnia* - Op.: = - Value: 230 - U.M.: mg/l - Duration h: 48 - Notes: *Daphnia Magna*
Endpoint: EC50 - Species: *Daphnia* - Op.: = - Value: 55 - U.M.: mg/l - Duration h: 24 - Notes: *Daphnia Magna*
Endpoint: EC50 - Species: Algae - Op.: = - Value: 770 - U.M.: mg/l - Duration h: 72 - Notes: *Pseudokirchneriella subcapitata*
Endpoint: EC50 - Species: Bacteria - Op.: = - Value: 390 - U.M.: mg/l - Duration h: 24

1-methoxy-2-propanol - CAS: 107-98-2

Type: a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish - Op.: = - Value: 20800 - U.M.: mg/l - Duration h: 96 - Notes: *Pimephales promelas*
Endpoint: LC50 - Species: *Daphnia* - Op.: = - Value: 23300 - U.M.: mg/l - Duration h: 48 - Notes: *Daphnia magna*
Endpoint: EC50 - Species: *Daphnia* - Op.: > - Value: 21100 - U.M.: mg/l - Duration h: 48 - Notes: *Daphnia magna*
Endpoint: EC50 - Species: *Daphnia* - Op.: < - Value: 25900 - U.M.: mg/l - Duration h: 48 - Notes: *Daphnia magna*
Endpoint: EC50 - Species: Algae - Op.: > - Value: 1000 - U.M.: mg/l - Duration h: 168 - Notes: *Selenastrum capricornutum*
Endpoint: LC50 - Species: Fish - Op.: = - Value: 6812 - U.M.: mg/l - Duration h: 96 - Notes: *Leuciscus idus*
Endpoint: LC50 - Species: Fish - Op.: > - Value: 1000 - U.M.: mg/l - Duration h: 96 - Notes: *Oncorhynchus mykiss*

Type: c) Bacteria toxicity:

Endpoint: EC50 - Species: Bacteria - Op.: > - Value: 1000 - U.M.: mg/l - Duration h: 3 - Notes: *Fango attivo domestico*

12.2. Persistence and degradability

Acetic acid - CAS: 64-19-7

Biodegradability: Readily biodegradable - Test: OCSE 301 A: COD, depletion of dissolved organic carbon - Duration: Not applicable - %: 96 - Notes: BOD20

Biodegradability: Readily biodegradable - Test: OCSE 301 A: COD, depletion of dissolved organic carbon - Duration: Not applicable - %: 76 - Notes: BOD5

Biodegradability: Readily biodegradable - Test: OCSE 301 B: Evolution of CO₂, Modified Sturm. - Duration: Not applicable - %: 70 - Notes: DOC

Propan-2-ol - CAS: 67-63-0

Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable

Safety Data Sheet

ACC 2240

Benzyl alcohol - CAS: 100-51-6

Biodegradability: Readily biodegradable - Test: Not applicable - Duration: Not applicable - %: Not applicable - Notes: Not applicable

1-methoxy-2-propanol - CAS: 107-98-2

Biodegradability: Readily biodegradable - Test: OCSE 301 E: Modified OCSE Screening, exhaustion of COD - Duration: 28 days - %: 96 - 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

Acetic acid - CAS: 64-19-7

Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor 3.16 - Duration: Not applicable - Notes: Calcolato

Propan-2-ol - CAS: 67-63-0

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient 0.05 - Duration: Not applicable - Notes: Not applicable

1-methoxy-2-propanol - CAS: 107-98-2

Bioaccumulation: Not bioaccumulative - Test: Kow - Partition coefficient -0.437 - Duration: Not applicable - Notes: Not applicable

12.4. Mobility in soil

Acetic acid - CAS: 64-19-7

Mobility in soil: Mobile - Test: Not applicable 1.153 - Duration: Not applicable - Notes: Not applicable

Propan-2-ol - CAS: 67-63-0

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

1-methoxy-2-propanol - CAS: 107-98-2

Mobility in soil: Mobile - Test: Not applicable 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

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.

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 and the IBC Code

Non previsto

SECTION 15: Regulatory information

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

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

Safety Data Sheet

ACC 2240

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 = 0.28 %
Volatile Organic compounds - VOCs = 3.08 g/l
Volatile CMR substances = 0.00 %
Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %
Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions :

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

Seveso III category according to Annex 1, part 1
Product belongs to category: Not applicable

15.2. Chemical safety assessment
Not available

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.
H318 Causes serious eye damage.
H226 Flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H302 Harmful if swallowed.
H332 Harmful if inhaled.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

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.

Safety Data Sheet

ACC 2240

Directive 2012/18/EU (Seveso III)

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:

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

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

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

Material Safety Data Sheets of chemicals, REACH database

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.