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

1.1 Product identifier

· Trade name: Acetonitrile
· Article number: 0120
· CAS Number: 75-05-8
· EC number: 200-835-2
· Index number: 608-001-00-3
· Registration number 01-2119471307-38-XXXX

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

Only for the use of professionals users

Life cycle stages
M Manufacture
F Formulation or re-packing
IS Use at industrial Sites
PW Widespread use by professional workers

Sector of Use
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU9 Manufacture of fine chemicals
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU24 Scientific research and development
SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

Product category
PC19 Intermediate
PC20 Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents
PC21 Laboratory chemicals
PC35 Washing and cleaning products (including solvent based products)
PC40 Extraction agents

Process category
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
PROC4 Chemical production where opportunity for exposure arises
PROC5 Mixing or blending in batch processes
PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
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
ERC7 Use of functional fluid at industrial site

Application of the substance / the mixture
Chemical for research, development, manufacturing, laboratory chemical for analysis.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Biosolve Chimie
20 Rue Roger Husson, 57260 Dieuze, France

(Contd. on page 2)
Trade name: Acetonitrile

Tel: +33 3 878 675 80/81/82/83/84/85
Email: info@biosolvechimie.com

Biosolve B.V.
Leenderweg 78, 5555 CE Valkenswaard, the Netherlands.
Tel: +31-(0)40-2071300
Fax:+31-(0)40-2048537
Email: info@biosolve-chemicals.com

Further information obtainable from: Product safety department.

Emergency telephone number:
For emergency telephone numbers of the poisons centers in Europe please use this link: http://www.eapcct.org/

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
Acute Tox. 4 H302 Harmful if swallowed.
Acute Tox. 4 H312 Harmful in contact with skin.
Acute Tox. 4 H332 Harmful if inhaled.
Eye Irrit. 2 H319 Causes serious eye irritation.

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.
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.
H319 Causes serious eye irritation.

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

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances

<table>
<thead>
<tr>
<th>CAS No. Description</th>
<th>Identification number(s)</th>
<th>EC number:</th>
<th>Index number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-05-8 Acetonitrile</td>
<td></td>
<td>200-835-2</td>
<td>608-001-00-3</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately rinse with water.

After eye contact:
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.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture
No further relevant information available.
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to
form explosive concentrations. Vapours can accumulate in low areas.
For personal protection see section 8.
Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store in a cool location.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Keep container tightly sealed.
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:

75-05-8 Acetonitrile

IOELV Long-term value: 70 mg/m³, 40 ppm
Skin
Trade name: Acetonitrile

- **DNELs**
  (75-05-8)
  - Workers Inhalation Acute local effects, Acute systemic effects 68 mg/m³
  - Workers Skin contact Long-term systemic effects 32.2 mg/kg BW/d
  - Workers Inhalation Long-term local effects, Long-term systemic effects 68 mg/m³
  - Consumers Inhalation Acute local effects 220 mg/m³
  - Consumers Inhalation Acute systemic effects 22 mg/m³
  - Consumers Inhalation Long-term systemic effects 4.8 mg/m³

- **PNECs**
  (75-05-8)
  - Water 10 mg/l
  - Soil 2.41 mg/kg
  - Marine water 1 mg/l
  - Fresh water 10 mg/l
  - Fresh water sediment 7.53 mg/kg
  - Onsite sewage treatment plant 32 mg/l

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

- **8.2 Exposure controls**
  - **Personal protective equipment:**
  - **General protective and hygienic measures:**
    - Keep away from foodstuffs, beverages and feed.
    - Immediately remove all soiled and contaminated clothing.
    - Wash hands before breaks and at the end of work.
    - Avoid contact with the eyes.
    - Avoid contact with the eyes and skin.
  - **Respiratory protection:**
    - 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.
  - **Protection of hands:**
    - **Protective gloves**
      
      The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
      Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
      Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
    - **Material of gloves**
      The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
    - **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.
**SECTION 9: Physical and chemical properties**

<table>
<thead>
<tr>
<th><strong>9.1 Information on basic physical and chemical properties</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Information</strong></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
</tr>
<tr>
<td>Form: Fluid</td>
</tr>
<tr>
<td>Colour: Colourless</td>
</tr>
<tr>
<td>Odour: Aromatic</td>
</tr>
<tr>
<td>Odour threshold: Not determined.</td>
</tr>
<tr>
<td>pH-value: Not determined.</td>
</tr>
<tr>
<td>Change in condition</td>
</tr>
<tr>
<td>Melting point/freezing point: -46 °C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range: 81 °C</td>
</tr>
<tr>
<td>Flash point: 2 °C</td>
</tr>
<tr>
<td>Flammability (solid, gas): Not applicable.</td>
</tr>
<tr>
<td>Ignition temperature: 525 °C</td>
</tr>
<tr>
<td>Decomposition temperature: Not determined.</td>
</tr>
<tr>
<td>Auto-ignition temperature: Not determined.</td>
</tr>
<tr>
<td>Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</td>
</tr>
<tr>
<td>Explosion limits:</td>
</tr>
<tr>
<td>Lower: 4.4 Vol %</td>
</tr>
<tr>
<td>Upper: 16 Vol %</td>
</tr>
<tr>
<td>Vapour pressure at 20 °C: 97 hPa</td>
</tr>
<tr>
<td>Density at 20 °C: 0.782 g/cm³</td>
</tr>
<tr>
<td>Relative density: Not determined.</td>
</tr>
<tr>
<td>Vapour density: Not determined.</td>
</tr>
<tr>
<td>Evaporation rate: Not determined.</td>
</tr>
<tr>
<td>Solubility in / Miscibility with water: Fully miscible.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water: Not determined.</td>
</tr>
<tr>
<td>Viscosity:</td>
</tr>
<tr>
<td>Dynamic at 20 °C: 0.39 mPas</td>
</tr>
<tr>
<td>Kinematic: Not determined.</td>
</tr>
<tr>
<td>9.2 Other information: No further relevant information available.</td>
</tr>
<tr>
<td>Molecular Weight: 41.05 gr/mole</td>
</tr>
</tbody>
</table>

*(Contd. on page 7)*
SECTION 10: Stability and reactivity

· 10.1 Reactivity: No further relevant information available.
· 10.2 Chemical stability
  · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions: No dangerous reactions known.
· 10.4 Conditions to avoid: No further relevant information available.
· 10.5 Incompatible materials: No further relevant information available.
· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects
  · Acute toxicity
    Harmful if swallowed, in contact with skin or if inhaled.
  · LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th></th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>2,730 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>1,250 mg/kg (rabbit)</td>
<td></td>
</tr>
<tr>
<td>Inhalative</td>
<td>LC50/4 h 11 mg/l (ATE)</td>
<td></td>
</tr>
</tbody>
</table>

· Primary irritant effect:
  · Skin corrosion/irritation: Based on available data, the classification criteria are not met.
  · Serious eye damage/irritation: Causes serious eye irritation.
  · Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
  · 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: Based on available data, the classification criteria are not met.
    · 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.
· 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 2 (German Regulation) (Assessment by list): hazardous for water
      Do not allow product to reach ground water, water course or sewage system.
      Danger to drinking water if even small quantities leak into the ground.
      · 12.5 Results of PBT and vPvB assessment
        · PBT: Not applicable.
**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.

  **European waste catalogue**
  - HP 3 Flammable
  - HP 4 Irritant - skin irritation and eye damage
  - HP 6 Acute Toxicity

- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

- **14.1 UN-Number**
  - ADR, IMDG, IATA UN1648

- **14.2 UN proper shipping name**
  - ADR UN1648 ACETONITRILE
  - IMDG, IATA ACETONITRILE

- **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

- **14.5 Environmental hazards:**
  - **Marine pollutant:** No

- **14.6 Special precautions for user**
  - **Danger code (Kemler):** Warning: Flammable liquids. 33

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

Printing date 30.04.2018  Revision: 27.04.2018

Trade name: Acetonitrile

EMS Number: F-E,S-D
Stowage Category: B
Stowage Code: SW2 Clear of living quarters.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

Transport/Additional information:

- ADR
  - Limited quantities (LQ): 1L
  - Excepted quantities (EQ): Code: E2

- IMDG
  - Limited quantities (LQ): 1L
  - Excepted quantities (EQ): Code: E2

- UN "Model Regulation": UN 1648 ACETONITRILE, 3, II

SECTION 15: Regulatory information

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

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.
  - H302+H312+H332: Harmful if swallowed, in contact with skin or if inhaled.
  - H319: Causes serious eye irritation.
- Precautionary statements
  - P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
  - P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 10)
Trade name: Acetonitrile

- 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

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.

Abbreviations and acronyms:
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)
PNEC: Predicted No-Effect Concentration (REACH)
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
Acute Tox. 4: Acute toxicity – Category 4
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

* Data compared to the previous version altered.
**Annex: Exposure scenario**

- **Short title of the exposure scenario**
- **Sector of Use**
  - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
  - SU9 Manufacture of fine chemicals
  - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
  - SU24 Scientific research and development
  - SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
- **Product category**
  - PC19 Intermediate
  - PC20 Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents
  - PC21 Laboratory chemicals
  - PC35 Washing and cleaning products (including solvent based products)
  - PC40 Extraction agents
- **Process category**
  - 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.
  - PROC4 Chemical production where opportunity for exposure arises.
  - PROC5 Mixing or blending in batch processes.
  - PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities.
  - 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.
  - ERC7 Use of functional fluid at industrial site.
- **Notes**
The product is intended for professional use.

**Description of the activities / processes covered in the Exposure Scenario**

75-05-8

1. Industrial use
   - Main User Groups: SU 3
   - Sectors of end-use: SU 3, SU9
   - Chemical product category: PC19, PC20, PC35, PC40
   - Process categories: PROC1, PROC2, PROC3, PROC4
   - Environmental Release Categories: ERC1, ERC2, ERC4, ERC6a, ERC7

2. Used as laboratory reagent
   - Main User Groups: SU 22
   - Sectors of end-use: SU 3, SU 22, SU24
   - Chemical product category: PC21, PC40
   - Process categories: PROC3, PROC15
   - Environmental Release Categories: ERC4, ERC6a, ERC7

3. Formulation of preparations
   - Main User Groups: SU 3
   - Sectors of end-use: SU 10

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Trade name: Acetonitrile

(Contd. of page 11)

Chemical product category : PC21, PC40
Process categories : PROC3, PROC5, PROC8b, PROC9
Environmental Release Categories : ERC2

4. Industrial use of processing aids in processes and products, not becoming part of articles
Main User Groups : SU 3
Sectors of end-use : SU 3, SU9
Chemical product category : PC20, PC35, PC40
Process categories : PROC1, PROC2, PROC3, PROC4
Environmental Release Categories : ERC4, ERC6b, ERC7:

Conditions of use
· Duration and frequency 5 workdays/week.
  Worker
  Application duration : > 4 h
  Frequency of use : 220 days/year
  Environment
  Indoor use
  Do not allow contact to soil, surface water and ground water.
  Physical parameters See section 9 to the Safety Data Sheet.
  Physical state Fluid
  Concentration of the substance in the mixture
  Raw material.
  Covers the percentage of the substance in the product up to 100 %
  Used amount per time or activity
  According to directions for use.
  Covers the percentage of the substance in the product up to 100 %
  Other operational conditions Observe the general safety regulations when handling chemicals.
  Other operational conditions affecting environmental exposure
  Observe section 6 of the Safety Data Sheet (Accidental release measures).
  Other operational conditions affecting worker exposure
  Avoid contact with eyes.
  Avoid contact with the skin.
  Do not breathe gas/vapour/aerosol.
  Take precautionary measures against static discharge.
  Keep away from sources of ignition - No smoking.
  Risk management measures
  Worker protection Observe section 7.1 and 8.1-8.2 of the Safety Data Sheet
  Organisational protective measures
  Avoid contact with drinking water and / or food during application.
  Ensure that activities are executed by specialists or authorised personnel only.
  Ensure that the working area is organised, well lit and ventilated, with enough space to handle spilled product.
  Ensure good ventilation. This can be achieved by using a local exhaust or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.
  Consider section 4 of the Safety Data Sheet (First aid measures).
  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 skin.

(Contd. on page 13)
Avoid contact with the eyes.
Tightly sealed goggles
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.
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Environmental protection measures
- Air Exhaust air is introduced into the gas scrubber.
- Water Do not allow to reach ground water, water bodies or sewage system.
- Soil Avoid contact with soil and / or ground water during the application.
- 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
Worker (dermal)
Detailed information on the exposure estimation can be found at http://www.ecetoc.org/tra.
75-05-8 Without Local exhaust ventilation
PROC1 0.343 mg/kg BW/d
PROC2 1.37 mg/kg BW/d
PROC3 0.343 mg/kg BW/d
PROC4 6.86 mg/kg BW/d
PROC5 0.0686 mg/kg BW/d
PROC8b 0.686 mg/kg BW/d
PROC9 0.686 mg/kg BW/d
PROC15 0.0343 mg/kg BW/d
The calculated value is smaller than the DNEL.
Risk Characterization ratio <1

Worker (inhalation)
Detailed information on the exposure estimation can be found at http://www.ecetoc.org/tra.
75-05-8 Without Local exhaust ventilation
PROC1 0.012 mg/m³
PROC2 12 mg/m³
PROC3 42.8 mg/m³
PROC4 24 mg/m³
PROC5 8.55 mg/m³
PROC8b 2.56 mg/m³
PROC9 34.2 mg/m³
PROC15 3.42 mg/m³
The calculated value is smaller than the DNEL.
Risk Characterization ratio <1

Environment
A chemical safety assessment was performed according REACH Article 14(3), Annex I, sections 3 (Environmental Hazard assessment) and 4 (PBT/vPvB Assessment). As no hazard was identified, an exposure assessment and risk characterization is not necessary (REACH Annex I section 5.0).
Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: Acetonitrile

(Contd. of page 13)

- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users**
  Please refer to the following documents: ECHA Guidance on information requirements and chemical safety assessment Chapter R.12: Use descriptor system; ECHA Guidance for downstream users; ECHA Guidance on information requirements and chemical safety assessment Part D: Exposure Scenario Building, Part E: Risk Characterisation and Part G: Extending the SDS; VCI/Cefic REACH Practical Guides on Exposure Assessment and Communications in the Supply Chain; CEFIC Guidance Specific Environmental Release Categories (SPERCs).