1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Productname: S1301 M, PART A
Synonyms: none
CAS No.: N.A.
EC index No.: N.A.
EINECS No.: N.A.
RTECS No.: N.A.

1.2 Use of the substance/preparation:
- Epoxy resin
- Industrial use

1.3 Company/undertaking identification:
Berry Plastics BVBA
Nijverheidsstraat 10 - 11
B-2260 Westerlo
Tel: +32 14 72 25 00
Fax: +32 14 72 25 70
E-mail: cpge@berryplastics.com

1.4 Emergency telephone:
+32 14 58 45 45 (24/24 h)
Brandweerinformatiecentrum voor Gevaarlijke Stoffen (BIG)
Technische Schoolstraat 43 A, B-2440 Geel
USA: 800 424 9300 (24/24 h) Chemtrec or 888 767 7200 (during working hours)
Berry Plastics Corrosion Protection Group Houston

2. Hazards identification

- Irritating to eyes and skin
- May cause sensitization by skin contact

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Hazardous ingredients</th>
<th>CAS No. EINECS/ELINCS No.</th>
<th>Conc. (%)</th>
<th>Hazards (R-phrases)</th>
<th>Hazard symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>phenol/formaldehyde/glycidyl ether, polymer</td>
<td>28064-14-4</td>
<td>25-55</td>
<td>36/38-43(1)</td>
<td>Xi</td>
</tr>
</tbody>
</table>

(1) For R-phrases in full: see heading 16
(2) Substance with a Community workplace exposure limit
(3) PBT-substance

4. First aid measures

4.1 After inhalation:
- Remove the victim into fresh air
- Respiratory problems: consult a doctor/medical service

4.2 Skin contact:
- Rinse immediately with plenty of water
- Soap may be used
- Take victim to a doctor if irritation persists
4.3 **Eye contact:**
- Rinse immediately with plenty of water
- Take victim to an ophthalmologist if irritation persists

4.4 **After ingestion:**
- Rinse mouth with water
- Do not induce vomiting
- If you feel unwell: consult a doctor/medical service

5. **Fire-fighting measures**

5.1 **Suitable extinguishing media:**
- Water spray
- Polyvalent foam
- BC powder
- Carbon dioxide

5.2 **Unsuitable extinguishing media:**
- No data available

5.3 **Special exposure hazards:**
- Combustible
- Upon combustion CO and CO2 are formed

5.4 **Instructions:**
- No specific fire-fighting instructions required

5.5 **Special protective equipment for firefighters:**
- Heat/fire exposure: self-contained breathing apparatus
- Protective clothing

6. **Accidental release measures**

6.1 **Personal precautions:**
See heading 8.2

6.2 **Environmental precautions:**
- Contain released substance, pump over in suitable containers
- Plug the leak, cut off the supply
- See heading 13

6.3 **Methods for cleaning up:**
- Take up liquid spill into absorbent material e.g.: sand/earth
- Shovel absorbed substance in closing drums
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

7. **Handling and storage**

7.1 **Handling:**
- Observe very strict hygiene - avoid contact
- Remove contaminated clothing immediately
- Clean contaminated clothing

7.2 **Storage:**
- Keep container tightly closed
- Meet the legal requirements
- Keep away from: heat sources, acids, bases, oxidizing agents

<table>
<thead>
<tr>
<th>Storage temperature</th>
<th>N.D. °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity limit</td>
<td>N.D. kg</td>
</tr>
<tr>
<td>Storage life</td>
<td>N.D. days</td>
</tr>
</tbody>
</table>

**Materials for packaging:**
- suitable: no data available
- to avoid: no data available

7.3 **Specific use(s):**
- Polymerizing with S 1301M part B with mixing ratio 3 parts of A to 1 part of B
8. Exposure controls / Personal protection

8.1 Exposure limit values:

8.1.1 Occupational exposure:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLV-TWA</td>
<td>not listed</td>
</tr>
<tr>
<td>TLV-STEL</td>
<td>not listed</td>
</tr>
<tr>
<td>TLV-Ceiling</td>
<td>not listed</td>
</tr>
<tr>
<td>WEL-LTEL</td>
<td>not listed</td>
</tr>
<tr>
<td>WEL-STEL</td>
<td>not listed</td>
</tr>
<tr>
<td>TRGS 900</td>
<td>not listed</td>
</tr>
<tr>
<td>MAK</td>
<td>not listed</td>
</tr>
<tr>
<td>GWBNL 8 h</td>
<td>not listed</td>
</tr>
<tr>
<td>GWKNL 15 min.</td>
<td>not listed</td>
</tr>
<tr>
<td>Ceiling</td>
<td>not listed</td>
</tr>
<tr>
<td>VME-8 h</td>
<td>not listed</td>
</tr>
<tr>
<td>VLE-15 min.</td>
<td>not listed</td>
</tr>
<tr>
<td>GWBB-8 h</td>
<td>not listed</td>
</tr>
<tr>
<td>GWK-15 min.</td>
<td>not listed</td>
</tr>
<tr>
<td>Momentary value</td>
<td>not listed</td>
</tr>
<tr>
<td>EC</td>
<td>not listed</td>
</tr>
<tr>
<td>EC-STEL</td>
<td>not listed</td>
</tr>
</tbody>
</table>

8.1.2 Sampling methods:
- no data available

8.2 Exposure controls:

8.2.1 Occupational exposure controls:
- Work under local exhaust / ventilation

Personal protective equipment:

a) Respiratory protection:
- High gas/vapour concentration: gas mask with filter type A

b) Hand protection:
- Gloves
  Suitable material: No data available
  Breakthrough time: N.D.

   - Gloves
   Suitable material: No data available
   Breakthrough time: N.D.

c) Eye protection:
- Face shield

   - Eye shield
   Suitable material: No data available

   - Eye shield
   Suitable material: No data available

   - Eye shield
   Suitable material: No data available

8.2.2 Environmental exposure controls: see headings 6.2, 6.3 and 13

9. Physical and chemical properties

9.1 General information:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance (at 20°C)</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>N.D.</td>
</tr>
<tr>
<td>Colour</td>
<td>Yellow</td>
</tr>
</tbody>
</table>
9.2 Important health, safety and environmental information:

- pH value (at %) : N.D.
- Boiling point/boiling range : > 392 °C
- Flashpoint/flammability : 143 °C
- Explosion limits (explosive properties) : N.D. vol% ( °C)
- Oxidising properties : 
- Vapour pressure (at 20°C) : N.D. hPa
- Vapour pressure (at 50°C) : N.D. hPa
- Relative density (at 20°C) : 1.6
- Water solubility : Insoluble
- Soluble in : N.D.
- Relative vapour density : > 1
- Viscosity (at °C) : N.D. Pa.s
- Partition coefficient n-octanol/water : N.D.
- Evaporation rate ratio to butyl acetate : N.D.
- ratio to ether : N.D.

9.3 Other information:

- Melting point/melting range : N.D. °C
- Auto-ignition point : N.D. °C
- Saturation concentration : N.D. g/m³
- Specific conductivity : N.D. pS/m

10. Stability and reactivity

10.1 Conditions to avoid:
- Stable under normal conditions

10.2 Materials to avoid:
- Keep away from: heat sources, acids, bases, oxidizing agents

10.3 Hazardous decomposition products:
- Upon combustion CO and CO2 are formed

11. Toxicological information

11.1 Acute toxicity:

- S1301 M, part A
- LD50 oral rat : > 2000 mg/kg
- LD50 dermal rabbit : > 2000 mg/kg
- LD50 inhalation rat : > 1.7 mg/1/4 h
- LC50 inhalation rat : N.D. ppm/4 h

11.2 Chronic toxicity:

- EC carc. cat. : not listed
- EC muta. cat. : not listed
- EC repr. cat. : not listed
- Carcinogenicity (TLV) : not listed
- Carcinogenicity (MAC) : not listed
- Carcinogenicity (VME) : not listed
- Carcinogenicity (GWBB) : not listed
- Carcinogenicity (MAK) : not listed
- Mutagenicity (MAK) : not listed
- Teratogenicity (MAK) : not listed
- IARC classification : not listed

11.3 Routes of exposure: ingestion, inhalation, eye and skin
11.4 Acute effects/symptoms:
- AFTER SKIN CONTACT
  - Tingling/irritation of the skin
- AFTER EYE CONTACT
  - Irritation of the eye tissue

11.5 Chronic effects:
- May cause sensitization by skin contact
- ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:
  - Skin rash/inflammation

12. Ecological information

12.1 Ecotoxicity:
- No data available
- Effect on waste water purification: no data available

12.2 Mobility:
- Volatile organic compounds (VOC): < 0.5%
- Insoluble in water
- Substance sinks in water

For other physicochemical properties see heading 9

12.3 Persistence and degradability:
- biodegradation BOD₅: N.D. % ThOD
- water: N.D.
- soil: T ½: N.D. days

12.4 Bioaccumulative potential:
- log Pow: N.D.
- BCF: N.D.

12.5 Results of PBT assessment:
- Not applicable, on the basis of the available data.

12.6 Other adverse effects:
- WGK: N.D.
- Effect on the ozone layer: Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect: No data available

13. Disposal considerations

13.1 Provisions relating to waste:
- LWCA (the Netherlands): KGA category 03
- Hazardous waste (91/689/EEC)
- Mix well, set outdoor, next day dispose as solid waste, follow local regulations.
- Remove waste in accordance with local and/or national regulations

13.2 Disposal methods:
- Recycle/reuse
- Allow waste to solidify

13.3 Packaging:
14. Transport information

14.1 Classification of the substance in compliance with UN Recommendations
   UN-number : 
   CLASS : -
   SUB RISKS : 
   PACKING GROUP : 

14.2 ADR (transport by road)
   CLASS : Not subject
   PACKING GROUP : 
   CLASSIFICATION CODE : 
   DANGER LABEL TANKS : 
   DANGER LABEL PACKAGES : 
   PROPER SHIPPING NAME : 

14.3 RID (transport by rail)
   CLASS : Not subject
   PACKING GROUP : 
   CLASSIFICATION CODE : 
   DANGER LABEL TANKS : 
   DANGER LABEL PACKAGES : 
   PROPER SHIPPING NAME : 

14.4 ADNR (transport by inland waterways)
   CLASS : Not subject
   PACKING GROUP : 
   CLASSIFICATION CODE : 
   DANGER LABEL TANKS : 
   DANGER LABEL PACKAGES : 

14.5 IMDG (maritime transport)
   CLASS : Not subject
   SUB RISKS : 
   PACKING GROUP : 
   MFAG : 
   EMS : 
   MARINE POLLUTANT : 

14.6 ICAO (air transport)
   CLASS : Not subject
   SUB RISKS : 
   PACKING GROUP : 
   PACKING INSTRUCTIONS PASSENGER AIRCRAFT : 
   PACKING INSTRUCTIONS CARGO AIRCRAFT : 

14.7 Special precautions : Not restricted for any mode of international transport
15. Regulatory information

15.1 EU Legislation:

Labelling in accordance with EC directives 67/548/EEC, 1999/45/EC and 2006/8/EC

Contains: phenol/formaldehyde/glycidyl ether, polymer

R36/38 : Irritating to eyes and skin
R43  : May cause sensitization by skin contact
S(02) : (Keep out of reach of children)
S24/25 : Avoid contact with skin and eyes
S37  : Wear suitable gloves
S(46) : (If swallowed, seek medical advice immediately and show this container or label)

15.2 National provisions:

the Netherlands:
Waterbezwaarlijkheid: N.D.

Germany:
WGK : N.D.

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N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
(*) = INTERNAL CLASSIFICATION (NFPA)

PBT-substances = persistent, bioaccumulative and toxic substances

Exposure limits:

TLV : Threshold Limit Value - ACGIH USA
WEL : Workplace Exposure Limits - United Kingdom
TRGS 900 : Technische Regel für Gefahrstoffe 900 (Arbeitsplatzgrenzwerte) - Germany
MAK : Maximale Arbeitsplatzkonzentrationen - Germany
GWBNL : Grenswaarde voor bloytstelling - the Netherlands
GWNKL : Grenswaarde korte duur - the Netherlands
VME : Valeurs limites de Moyenne d’Exposition - France
VLE : Valeurs limites d’Exposition à court terme - France
GWBB : Grenswaarde beroepsmatig blootstelling - Belgium
GWKK : Grenswaarde kortstondige blootstelling - Belgium
EC : Indicative occupational exposure limit values

Chronic toxicity:
K : List of the carcinogenic substances and processes - the Netherlands

Full text of any R-phrases referred to under headings 2 and 3:

R36/38 : Irritating to eyes and skin
R43  : May cause sensitization by skin contact
1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Product name: S1301 M, PART B
Synonyms: none

CAS No.: N.A.
EC index No.: N.A.
EINECS No.: N.A.
RTECS No.: N.A.

1.2 Use of the substance/preparation:
- Epoxy resin: hardener

1.3 Company/undertaking identification:
Berry Plastics BVBA
Nijverheidsstraat 10-11
B-2260 Westerlo
Tel: +32 14 72 25 00
Fax: +32 14 72 25 70
E-Mail-Adresse: cpge@berryplastics.com

1.4 Emergency telephone:
+32 14 58 45 45 (24/24 h)
Brandweerinformatiecentrum voor Gevaarlijke Stoffen (BIG)
Technische Schoolstraat 43 A, B-2440 Geel
USA: 800 424 9300 (24/24 h) Chemtrec or 888 767 7200 (during working hours)
Berry Plastics Corrosion Protection Group Houston

2. Hazards identification

- Harmful if swallowed
- Causes burns
- Irritating to respiratory system
- May cause sensitization by skin contact
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Hazardous ingredient</th>
<th>CAS No. EINECS/ELINCS No.</th>
<th>Conc. (%)</th>
<th>Hazards (R-phrases)</th>
<th>Hazard symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>trimethylhexane-1,6-diamine</td>
<td>25620-58-0 247-134-8</td>
<td>15-30</td>
<td>22-37/38-41-43-52/53 (1)</td>
<td>Xn</td>
</tr>
<tr>
<td>triethylenetetramine</td>
<td>112-24-3 203-950-6</td>
<td>&lt;8</td>
<td>21-34-43-52/53 (1)</td>
<td>C</td>
</tr>
<tr>
<td>modified amine</td>
<td>-</td>
<td>10-25</td>
<td>22-34-43-50/53 (1)</td>
<td>C</td>
</tr>
</tbody>
</table>

(1) For R-phrases in full: see heading 16
(2) Substance with a Community workplace exposure limit
(3) PBT-substance
4. **First aid measures**

4.1 **After inhalation:**
- Remove the victim into fresh air
- Respiratory problems: consult a doctor/medical service

4.2 **Skin contact:**
- Wash immediately with lots of water (15 minutes)/shower
- Remove clothing while washing
- Do not remove clothing if it sticks to the skin
- Cover wounds with sterile bandage
- Consult a doctor/medical service
- If burned surface > 10%: take victim to hospital

4.3 **Eye contact:**
- Rinse immediately with plenty of water for 15 minutes
- Do not apply neutralizing agents
- Take victim to an ophthalmologist

4.4 **After ingestion:**
- Rinse mouth with water
- Give nothing or little to drink
- Do not induce vomiting
- Immediately consult a doctor/medical service

5. **Fire-fighting measures**

5.1 **Suitable extinguishing media:**
- Water spray
- Polyvalent foam
- BC powder
- Carbon dioxide

5.2 **Unsuitable extinguishing media:**
- Solid water jet ineffective as extinguishing medium

5.3 **Special exposure hazards:**
- Combustible
- On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide/carbon dioxide)

5.4 **Instructions:**
- Dilute toxic gases with water spray
- Take account of toxic fire-fighting water
- Use fire-fighting water moderately and contain it

5.5 **Special protective equipment for firefighters:**
- Heat/fire exposure: self-contained breathing apparatus
- Corrosionproof suit

6. **Accidental release measures**

6.1 **Personal precautions:**
See heading 8.2

6.2 **Environmental precautions:**
- Prevent soil and water pollution
- Prevent spreading in sewers
- Contain released substance, pump over in suitable containers
- Plug the leak, cut off the supply
- Dam up the liquid spill
- See heading 13

6.3 **Methods for cleaning up:**
- Take up liquid spill into absorbent material e.g.: sand/earth
- Shovel absorbed substance in closing drums
- Carefully collect the spill/leftovers
- Damaged/cooled tanks must be emptied
- Clean contaminated surfaces with an excess of water
- Take collected spill to manufacturer/competent authority
- Wash clothing and equipment after handling
S1301 M, PART B

7. Handling and storage

7.1 Handling:
- Observe very strict hygiene - avoid contact
- Do not discharge the waste into the drain
- Remove contaminated clothing immediately
- Clean contaminated clothing

7.2 Storage:
- Keep container tightly closed
- Store in a dry area
- Ventilation at floor level
- Provide for a tub to collect spills
- Keep away from: heat sources, acids, oxidizing agents

Storage temperature : N.D. °C
Quantity limit : N.D. kg
Storage life : N.D. days
Materials for packaging :
  - suitable : no data available
  - to avoid : no data available

7.3 Specific use(s):
- Polymerizing with S 1301M part A with mixing ratio 3 parts of A to 1 part of B

8. Exposure controls/Personal protection

8.1 Exposure limit values:

8.1.1 Occupational exposure:
TLV-TWA : not listed
TLV-STEL : not listed
TLV-Ceiling : not listed
WEL-LTEL : not listed
WEL-STEL : not listed
TRGS 900 : not listed
MAK : not listed
GWBNL 8 h : not listed
GWKNL 15 min. : not listed
Ceiling : not listed
VME-8 h : not listed
VLE-15 min. : not listed
GWBB-8 h : not listed
GWK-15 min. : not listed
Momentary value : not listed
EC : not listed
EC-STEL : not listed

8.1.2 Sampling methods:
- Amines, Aliphatic NIOSH 2010
- Triethylene Tetramine OSHA 60
8.2 Exposure controls:

8.2.1 Occupational exposure controls:
- Work under local exhaust/ventilation

Personal protective equipment:

a) Respiratory protection:
- High gas/vapour concentration: gas mask with filter type A

b) Hand protection:
- Gloves
  Suitable material: No data available
- Breakthrough time: N.D.

c) Eye protection:
- Face shield

d) Skin protection:
- Corrosionproof clothing
  Suitable material: No data available

8.2.2 Environmental exposure controls: see headings 6.2, 6.3 and 13

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C) : Liquid
Odour : Amine
Colour : Light brown

9.2 Important health, safety and environmental information:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH value (at %)</td>
<td>11</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>&gt; 200 °C</td>
</tr>
<tr>
<td>Flashpoint/flammability</td>
<td>&gt; 118 °C</td>
</tr>
<tr>
<td>Explosion limits (explosive properties)</td>
<td>N.D. vol% (°C)</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure (at 20°C)</td>
<td>0.4 hPa</td>
</tr>
<tr>
<td>Vapour pressure (at 50°C)</td>
<td>N.D. hPa</td>
</tr>
<tr>
<td>Relative density (at 20°C)</td>
<td>1.0</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Poorly soluble</td>
</tr>
<tr>
<td>Soluble in</td>
<td>N.D.</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Viscosity (at °C)</td>
<td>N.D. Pa.s</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water</td>
<td>N.D.</td>
</tr>
<tr>
<td>Evaporation rate ratio to butyl acetate</td>
<td>N.D.</td>
</tr>
<tr>
<td>ratio to ether</td>
<td>N.D.</td>
</tr>
</tbody>
</table>

9.3 Other information:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/melting range</td>
<td>N.D. °C</td>
</tr>
<tr>
<td>Auto-ignition point</td>
<td>N.D. °C</td>
</tr>
<tr>
<td>Saturation concentration</td>
<td>N.D. g/m³</td>
</tr>
<tr>
<td>Specific conductivity</td>
<td>N.D. pS/m</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

10.1 Conditions to avoid:
- Stable under normal conditions

10.2 Materials to avoid:
- Keep away from: heat sources, acids, oxidizing agents

10.3 Hazardous decomposition products:
- On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide/carbon dioxide)
11. Toxicological information

11.1 Acute toxicity:

- **LD50 oral rat**: 1030 mg/kg
- **LD50 dermal rabbit**: N.D. mg/kg
- **LD50 dermal rabbit**: N.D. mg/kg
- **LC50 inhalation rat**: > 0.18 mg/l/4 h
- **LC50 inhalation rat**: N.D. ppm/4 h

11.2 Chronic toxicity:

- EC carc. cat.: not listed
- EC muta. cat.: not listed
- EC repr. cat.: not listed
- Carcinogenicity (TLV): not listed
- Carcinogenicity (MAC): not listed
- Carcinogenicity (VME): not listed
- Carcinogenicity (GWBB): not listed
- Carcinogenicity (MAK): not listed
- Mutagenicity (MAK): not listed
- Teratogenicity (MAK): not listed
- IARC classification: not listed

11.3 Routes of exposure: ingestion, inhalation, eye and skin

11.4 Acute effects/symptoms:

- **AFTER INHALATION**
  - Irritation of the respiratory tract
  - Irritation of the nasal mucous membranes
  - Dry/sore throat
  - Coughing
  - EXPOSURE TO HIGH CONCENTRATIONS:
    - Respiratory difficulties
    - Corrosion of the upper respiratory tract

- **AFTER INGESTION**
  - Nausea
  - Vomiting
  - Abdominal pain
  - Possible esophageal perforation
  - Burns to the gastric/intestinal mucosa
  - Shock

- **AFTER SKIN CONTACT**
  - Caustic burns/corrosion of the skin

- **AFTER EYE CONTACT**
  - Corrosion of the eye tissue
  - Permanent eye damage

11.5 Chronic effects:

- May cause sensitization by skin contact

- **ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:**
  - Red skin
  - Itching
  - Skin rash/inflammation
12. Ecological information

12.1 Ecotoxicity:

triethylenetetramine:
- EC50 (96 h) : 495 mg/l (PIMEPHALES PROMELAS)
- EC50 (48 h) : 31,1 mg/l (DAPHNIA MAGNA)
- EC50 (72 h) : >= 100 mg/l (SCENEDESMUS SUBSPICATUS)

- Effect on waste water purification : no data available

12.2 Mobility:
- Volatile organic compounds (VOC): N.D.%
- Poorly soluble in water

For other physicochemical properties see heading 9

12.3 Persistence and degradability:
- biodegradation BOD5 : N.D. % ThOD
- water : N.D.
- soil : T ½: N.D. days

12.4 Bioaccumulative potential:
- log Pow : N.D.
- BCF : N.D.

12.5 Results of PBT assessment:
- Not applicable, on the basis of the available data.

12.6 Other adverse effects:
- WGK : 2 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- Effect on the ozone layer : Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect : No data available

13. Disposal considerations

13.1 Provisions relating to waste:
- LWCA (the Netherlands): KGA category 03
- Hazardous waste (91/689/EEC)
- Remove waste in accordance with local and/or national regulations

13.2 Disposal methods:
- Do not discharge into drains or the environment
- Dispose of at authorized waste collection point

13.3 Packaging:
14. Transport information

14.1 Classification of the substance in compliance with UN Recommendations

UN-number : 2735
CLASS : 8
SUB RISKS : -
PACKING GROUP : III

14.2 ADR (transport by road)

CLASS : 8
PACKING GROUP : III
CLASSIFICATION CODE : C7
DANGER LABEL TANKS : 8
DANGER LABEL PACKAGES : 8
PROPER SHIPPING NAME :
Amines, liquid, corrosive, n.o.s. (trimethylhexane-1,6-diamine, modified amine) MARINE POLLUTANT

14.3 RID (transport by rail)

CLASS : 8
PACKING GROUP : III
CLASSIFICATION CODE : C7
DANGER LABEL TANKS : 8
DANGER LABEL PACKAGES : 8
PROPER SHIPPING NAME :
Amines, liquid, corrosive, n.o.s. (trimethylhexane-1,6-diamine, modified amine) MARINE POLLUTANT

14.4 ADNR (transport by inland waterways)

CLASS : 8
PACKING GROUP : III
CLASSIFICATION CODE : C7
DANGER LABEL TANKS : 8
DANGER LABEL PACKAGES : 8

14.5 IMDG (maritime transport)

CLASS : 8
SUB RISKS : -
PACKING GROUP : III
MFAG : -
EMS : F-A, S-B
MARINE POLLUTANT : P

14.6 ICAO (air transport)

CLASS : 8
SUB RISKS : -
PACKING GROUP : III
PACKING INSTRUCTIONS PASSENGER AIRCRAFT : 818/Y818
PACKING INSTRUCTIONS CARGO AIRCRAFT : 820

14.7 Special precautions : none

14.8 Limited quantities (LQ)

When substances and their packaging meet the conditions established by ADR/RID/ADNR in chapter 3.4, only the following prescriptions shall be complied with:
each package shall display a diamond-shaped figure with the following inscription:
- 'UN 2735'
or, in the case of different goods with different identification numbers within a single package:
- the letters 'LQ'
15. Regulatory information

15.1 EU Legislation:

Labelling in accordance with EC directives 67/548/EEC, 1999/45/EC and 2006/8/EC

Contains: trimethylhexane-1,6-diamine; triethylenetetramine; modified amine

R22 : Harmful if swallowed
R34 : Causes burns
R37 : Irritating to respiratory system
R43 : May cause sensitization by skin contact
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S(01/02) : (Keep locked up and out of reach of children)
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39 : Wear suitable protective clothing gloves, and eye/face protection
S45 : In case of accident or if you feel unwell, seek medical advice (show the label where possible)
S61 : Avoid release to the environment. Refer to special instructions/safety data sheets

15.2 National provisions:

the Netherlands:
Waterbezwaarlijkheid: 6

Germany:
WGK : 2 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)

16. Other information

Users are advised that they may have additional disclosure obligations under other national and local laws. Users are advised to ensure that this information is brought to the attention of all employees, agents, and contractors handling this product. Users of Berry Plastics BVBA products should make their own evaluation to determine the suitability of each such product for the specific application and to establish safe handling and installation procedures. Distributors of this product are advised to forward this document, or the information contained herein, to every purchaser of this product.

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N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
(*) = INTERNAL CLASSIFICATION (NFPA)
PBT-substances = persistent, bioaccumulative and toxic substances

Exposure limits:
TLV : Threshold Limit Value - ACGIH USA
WEL : Workplace Exposure Limits - United Kingdom
TRGS 900 : Technische Regel für Gefahrstoffe 900 (Arbeitsplatzgrenzwerte) - Germany
MAK : Maximale Arbeitsplatzkonzentrationen - Germany
GWBNL : Grenswaarde voor blootstelling - the Netherlands
GWNNL : Grenswaarde korte duur - the Netherlands
VME : Valeurs limites de Moyenne d’Exposition - France
VLE : Valeurs limites d’Exposition à court terme - France
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium
GWK : Grenswaarde kortstondige blootstelling - Belgium
EC : Indicative occupational exposure limit values

Chronic toxicity:
K : List of the carcinogenic substances and processes - the Netherlands

Full text of any R-phrases referred to under headings 2 and 3:
R21 : Harmful in contact with skin
R22 : Harmful if swallowed
R34 : Causes burns
R37/38 : Irritating to respiratory system and skin
R41 : Risk of serious damage to eyes
R43 : May cause sensitization by skin contact
R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment