# Safety Data Sheet
**according to Regulation (EC) No. 1907/2006 (REACH)**
**according to Regulation (EU) 2020/878**



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

1.1. **Product identifier**

| | |
|---|---|
| Article No. (manufacturer/supplier): | 2 05620 BN000 |
| Trade name/designation | epple-easy 5620-neu<br>Klebstoff<br>Komponente B<br>UFI: J9G0-80MR-U00G-KSU5 |

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

**Relevant identified uses:**
Adhesive for bonding a wide variety of substrates.

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

**supplier (manufacturer/importer/downstream user/distributor)**


E. Epple & Co. GmbH
Hertzstr. 8
71083 Herrenberg
Telephone: +49 7032 / 9771-17
Telefax: +49 7032 / 9771-60
www.epple-chemie.de


**Department responsible for information:**
laboratory
E-mail (competent person) labor@epple-chemie.de

1.4. **Emergency telephone number**
Information center against poisoning Bonn +49 (0) 228 / 19 240 (Advice in German)

## SECTION 2: Hazards identification

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

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

| | | |
|---|---|---|
| Skin Irrit. 2 / H315 | Skin corrosion/irritation | Causes skin irritation. |
| Eye Dam. 1 / H318 | Serious eye damage/eye irritation | Causes serious eye damage. |

2.2. **Label elements**

The product is classified and labelled according to EC directives or corresponding national laws.

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms**



**Warning**

**Hazard statements**

| | |
|---|---|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |

**Precautionary statements**

| | |
|---|---|
| P264 | Wash hands thoroughly after handling. |
| P280 | Wear protective gloves. |
| P302 + P352 | IF ON SKIN: Wash with plenty of water and soap. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |

**Hazard components for labelling**
bis[(dimethylamino)methyl]phenol

**Supplemental hazard information**
not applicable

2.3. **Other hazards**

No information available.

## SECTION 3: Composition/information on ingredients

3.2. **Mixtures**

**Description** branched polyalcohol, filled

**Hazardous ingredients**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

| EC No.<br>CAS No.<br>Index No. | REACH No.<br>Designation<br>classification: // Remark | weight-% |
|---|---|---|
| 202-013-9<br>90-72-2<br>603-069-00-0 | 01-2119560597-27<br>2,4,6-tris(dimethylaminomethyl)phenol<br>Acute Tox. 4 H302 / Eye Irrit. 2 H319 / Skin Irrit. 2 H315<br>Acute toxicity estimate (ATE): ATE (oral): 2169 mg/kg bw | 19,9 - 24,9 |

**Additional information**
Full text of classification: see section 16

## SECTION 4: First aid measures

4.1. **Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**In case of inhalation**
Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact**
Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**Following ingestion**
If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2. **Most important symptoms and effects, both acute and delayed**
In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. **Indication of any immediate medical attention and special treatment needed**
First Aid, decontamination, treatment of symptoms.

## SECTION 5: Firefighting measures

5.1. **Extinguishing media**

**Suitable extinguishing media**
alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

**Unsuitable extinguishing media**
strong water jet

5.2. **Special hazards arising from the substance or mixture**
Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. **Advice for firefighters**
Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways. Cool closed containers that are near the source of the fire.

## SECTION 6: Accidental release measures

6.1. **Personal precautions, protective equipment and emergency procedures**
Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. **Environmental precautions**
Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. **Methods and material for containment and cleaning up**
Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it

for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4. **Reference to other sections**
Observe protective provisions (see section 7 and 8).

## SECTION 7: Handling and storage

7.1. **Precautions for safe handling**

**Advices on safe handling**

Avoid contact with skin, eyes and clothes. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Follow the legal protection and safety regulations.

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

**Requirements for storage rooms and vessels**
Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

**Hints on joint storage**
Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Further information on storage conditions**
Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. **Specific end use(s)**
Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**
**Occupational exposure limit values**

not applicable

**DNEL:**

2,4,6-tris(dimethylaminomethyl)phenol
Index No. 603-069-00-0 / EC No. 202-013-9 / CAS No. 90-72-2
DNEL long-term inhalative (systemic), Workers: 0,31 mg/m³

**PNEC:**

2,4,6-tris(dimethylaminomethyl)phenol
Index No. 603-069-00-0 / EC No. 202-013-9 / CAS No. 90-72-2
PNEC aquatic, freshwater: 0,084 mg/L
PNEC aquatic, marine water: 0,0084 mg/L
PNEC aquatic, intermittent release: 0,84 mg/L
PNEC sewage treatment plant (STP): 0,2 mg/L

8.2. **Exposure controls**

**Personal protection equipment**

**Respiratory protection**
If the workplace limit values (AGW) are exceeded, a suitable breathing apparatus must be worn.Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.Use filter / combination filter according to EN 14387.

**Hand protection**
For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)
Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.
Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374
Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye/face protection**
Wear eye glasses with side protection according to EN 166.

**Protective measures**
After contact clean skin thoroughly with water and soap or use appropriate cleanser.

**Environmental exposure controls**
Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state:** | **Liquid** |
| **Appearance:** | **Liquid** |
| **Colour:** | **yellow** |
| **Odour:** | **characteristic** |
| **Odour threshold:** | **not applicable** |
| **Melting point/freezing point:** | **not applicable** |
| **Initial boiling point and boiling range:** | **not applicable** |
| **Flammability:** | **not applicable** |
| **Lower and upper explosion limit:** | |
| **Lower explosion limit:** | **not applicable** |
| **Upper explosion limit:** | **not applicable** |
| **Flash point:** | **not determined** |
| **Auto-ignition temperature:** | **not applicable** |
| **Decomposition temperature:** | **not applicable** |
| **pH at 20 °C:** | **not relevant** |
| **Kinematic viscosity (40°C):** | **21739,13 mm²/s** |
| **Viscosity at 20 °C:** | **20 - 30 Pa*s** |
| **Solubility(ies):** | |
| **Water solubility at 20 °C:** | **partially miscible** |
| **Partition coefficient: n-octanol/water:** | **see section 12** |
| **Vapour pressure at 20 °C:** | **not applicable** |
| **Density and/or relative density:** | |
| **Density at 20 °C:** | **1,15 g/cm³** |
| **Relative vapour density:** | **not applicable** |
| **particle characteristics:** | **not applicable** |

9.2. **Other information**

| | |
|---|---|
| **Solvent separation test:** | **< 3 weight-% (ADR/RID)** |

## SECTION 10: Stability and reactivity

10.1. **Reactivity**
No information available.

10.2. **Chemical stability**
Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. **Possibility of hazardous reactions**
Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. **Conditions to avoid**
Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. **Incompatible materials**
not applicable

10.6. **Hazardous decomposition products**
Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

## SECTION 11: Toxicological information

11.1. **Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

2,4,6-tris(dimethylaminomethyl)phenol
oral, LD50, Rat: 2169 mg/kg
dermal, LD50, Rat: > 971 mg/kg

**Skin corrosion/irritation; Serious eye damage/eye irritation**

Causes skin irritation.

Causes serious eye damage.

2,4,6-tris(dimethylaminomethyl)phenol
eyes, Rabbit
Method: EPA CFR
Skin, Rabbit: Evaluation corrosive
Method: OECD 404

**Respiratory or skin sensitisation**

2,4,6-tris(dimethylaminomethyl)phenol
Skin, Guinea pig: ; Evaluation not sensitising.
Method: OECD 406

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

2,4,6-tris(dimethylaminomethyl)phenol
Germ cell mutagenicity; Evaluation negative
Method: OECD 471 (Ames test)
Germ cell mutagenicity; Evaluation negative
Method: OECD 473
Germ cell mutagenicity; Evaluation negative
Method: OECD 476

**STOT-single exposure; 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.

**Practical experience/human evidence**

Causes burns. The preparation may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect. Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

**Overall assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

**Remark**

There is no information available on the preparation itself .

11.2. **Information on other hazards**

**Endocrine disrupting properties**
No information available.

## SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

Partition coefficient: n-octanol/water: Mixtures: Not applicable.Do not allow to enter into surface water or drains.

12.1. **Toxicity**

2,4,6-tris(dimethylaminomethyl)phenol
Fish toxicity, LC50: 175 mg/L (96 h)
Algae toxicity, ErC50: 84 mg/L (72 h)
Method: OECD 201
Daphnia toxicity, LC50: 718 mg/L (96 h)

**Long-term Ecotoxicity**

2,4,6-tris(dimethylaminomethyl)phenol
Algae toxicity, NOEC: 6,25 mg/L (72 h)

12.2. **Persistence and degradability**

2,4,6-tris(dimethylaminomethyl)phenol
Biodegradation:: 4 % (28 d); Evaluation Not readily biodegradable (according to OECD criteria)
Method: OECD 301D

12.3. **Bioaccumulative potential**

2,4,6-tris(dimethylaminomethyl)phenol
Partition coefficient: n-octanol/water: 0,219

12.4. **Mobility in soil**

Toxicological data are not available.

12.5. **Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. **Endocrine disrupting properties**

No information available.

12.7. **Other adverse effects**

No information available.

## SECTION 13: Disposal considerations

13.1. **Waste treatment methods**

**Appropriate disposal / Product**
**Recommendation**
Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.Observe in addition any national regulations!

Switzerland: Disposal in accordance with the Ordinance on the Transport of Waste (VeVA) and the Ordinance on the Avoidance and Disposal of Waste (VVEA).

**List of proposed waste codes/waste designations in accordance with EWC**
080409* Waste adhesives and sealants containing organic solvents or other dangerous substances
*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

**Appropriate disposal / Package**
**Dispose of packaging and contaminated filters at a offical hazardous waste incinerator facility.**
Recommendation:
Waste codes / waste designations according to EWC / AVV: 15 01 10*Non-contaminated packages may be recycled.

## SECTION 14: Transport information

14.1. **UN number or ID number**

UN 1760

14.2. **UN proper shipping name**

| | |
|---|---|
| Land transport (ADR/RID): | Corrosive liquid, n.o.s. (2,4,6-TRIS-(DIMETHYLAMINOMETHYL)PHENOL) |
| Sea transport (IMDG): | CORROSIVE LIQUID, N.O.S. (2,4,6-TRIS-(DIMETHYLAMINOMETHYL)PHENOL) |
| Air transport (ICAO-TI / IATA-DGR): | Corrosive liquid, n.o.s. (2,4,6-TRIS-(DIMETHYLAMINOMETHYL)PHENOL) |

14.3. **Transport hazard class(es)**

8

14.4. **Packing group**

II

14.5. **Environmental hazards**

| | |
|---|---|
| Land transport (ADR/RID) | not applicable |
| Marine pollutant | not applicable |

14.6. **Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

| | |
|---|---|
| Tunnel restriction code | E |

**Sea transport (IMDG)**

| | |
|---|---|
| EmS-No. | F-A, S-B |

14.7. **Maritime transport in bulk according to IMO instruments**

No transport as bulk according IBC - Code.

## SECTION 15: Regulatory information

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

**EU legislation**

**Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**
VOC-value (in g/L): 0

**National regulations**

**Restrictions of occupation**
Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.

Switzerland: Maternity Protection Ordinance (SR 822.111.52): Pregnant women and nursing mothers may only come into contact with or be exposed to this preparation during their work if it has been established on the basis of a risk assessment by a specialist that, in the context of the activities and the protective measures taken, exposure will not result in harm to the mother or child.

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

Switzerland: Youth Labour Protection Ordinance (ArGV 5; SR 822.115): Young people up to the age of 18 may only come into contact with or be exposed to this preparation during their work if the Federal Office for Professional Education and Technology (OPET) or the State Secretariat for Economic Affairs (SECO) has authorised an exception.

For professional use only. Product is not intended for consumer use.

**Substance/product listed in the following inventories:**
AICS no informtion
DSL no information
EHS no information
IECSC no information
KECI no information
MITI no information
NZLoC no information
PICCS no information
TCSI no information
TSCA no information

15.2. **Chemical Safety Assessment**
**For the following substances of this mixture a chemical safety assessment has been carried out:**

| EC No.<br>CAS No. | Designation | REACH No. |
|---|---|---|
| 202-013-9<br>90-72-2 | 2,4,6-tris(dimethylaminomethyl)phenol | 01-2119560597-27 |

## SECTION 16: Other information

**Full text of classification in section 3:**

| | | |
|---|---|---|
| Acute Tox. 4 / H302 | Acute toxicity (oral) | Harmful if swallowed. |

| | | |
|---|---|---|
| Eye Irrit. 2 / H319 | Serious eye damage/eye irritation | Causes serious eye irritation. |
| Skin Irrit. 2 / H315 | Skin corrosion/irritation | Causes skin irritation. |

**Classification procedure**

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

| | | |
|---|---|---|
| Skin Irrit. 2 | Skin corrosion/irritation | Calculation method. |
| Eye Dam. 1 | Serious eye damage/eye irritation | Calculation method. |

**Abbreviations and acronyms**

| | |
|---|---|
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| OEL | Occupational Exposure Limit Value |
| BLV | Biological Limit Value |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| CMR | Carcinogenic, Mutagenic and Reprotoxic |
| DIN | German Institute for Standardization / German industrial standard |
| DNEL | Derived No-Effect Level |
| EAKV | European Waste Catalogue Directive |
| EC | Effective Concentration |
| EC | European Community |
| EN | European Standard |
| IATA-DGR | International Air Transport Association – Dangerous Goods Regulations |
| IBC Code | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO-TI | International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air |
| IMDG Code | International Maritime Code for Dangerous Goods |
| ISO | International Organization for Standardization |
| LC | Lethal Concentration |
| LD | Lethal Dose |
| MARPOL | Maritime Pollution: The International Convention for the Prevention of Pollution from Ships |
| OECD | Organisation for Economic Cooperation and Development |
| PBT | persistent, bioaccumulative, toxic |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| UN | United Nations |
| VOC | Volatile Organic Compounds |
| vPvB | very persistent and very bioaccumulative |

**Abbreviations and acronyms**

n.a. = not applicable
n.b. = not determined

**Further information**

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations.Without written approval, the product must not be used for purposes different from those mentioned in section 1.It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations.The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.