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

1.1 Product identifier

Trade name : Pu4ii - L Part B
Substance name : 6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine

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

At present there is no complete information available on identified uses. When the data becomes available, it will be integrated into the safety data sheet.

Product use : Tooling system.

1.3 Details of the supplier of the safety data sheet

Company : vasQtec.com
Seefeldstr. 295
8008 Zürich, Switzerland

E-mail address : epm@vasQtec.com

1.4 Emergency telephone number

Emergency telephone Nr : +41 786827568 Out of office hours only

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Type of product : Substance

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4 H302: Harmful if swallowed.
Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.
Acute aquatic toxicity, Category 1 H400: Very toxic to aquatic life.
Chronic aquatic toxicity, Category 1 H410: Very toxic to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Harmful R22: Harmful if swallowed.
R43: May cause sensitisation by skin contact.
Dangerous for the environment  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms: 
-  ! 
-  ⚠️

Signal word: Warning

Hazard statements:
- H302 Harmful if swallowed.
- H317 May cause an allergic skin reaction.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:
Prevention:
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves.

Response:
- P333 + P313 If skin irritation or rash occurs: Medical advice/ attention.
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.

2.3 Other hazards

This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

SECTION 3: Composition/information on ingredients

3.1 Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>EINECS-No. / ELINCS No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine</td>
<td>106264-79-3 403-240-8 01-0000015292-76-XXXX</td>
<td>&gt;= 50 - &lt;= 100</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:
- Move out of dangerous area.
- Consult a physician.
- Show this safety data sheet to the doctor in attendance.
If inhaled:
- Move to fresh air.
- Consult a physician after significant exposure.

In case of skin contact:
- Take off contaminated clothing and shoes immediately.
- Wash off with soap and plenty of water.
- If symptoms persist, call a physician.

In case of eye contact:
- Remove contact lenses.
- Keep eye wide open while rinsing.
- If eye irritation persists, consult a specialist.

If swallowed:
- Do not induce vomiting without medical advice.
- Rinse mouth with water.
- Do not give milk or alcoholic beverages.
- Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:
- Gastrointestinal discomfort
- Allergic reactions
- See Section 11 for more detailed information on health effects and symptoms.

Risks:
- Sensitising effects

4.3 Indication of any immediate medical attention and special treatment needed

Treatment:
- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting:
- Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products:
- No hazardous combustion products are known.

5.3 Advice for firefighters

Special protective equipment for firefighters:
- In the event of fire, wear self-contained breathing apparatus.

Further information:
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Deny access to unprotected persons.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours or spray mist. Avoid exceeding of the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Store in accordance with local regulations.

Other data : No decomposition if stored and applied as directed.
7.3 Specific end use(s)
Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses with side-shields
                Eye wash bottle with pure water

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
                Suitable for short time use or protection against splashes:
                Butyl rubber/nitrile rubber gloves (0.4 mm),
                Contaminated gloves should be removed.
                Suitable for permanent exposure:
                Viton gloves (0.4 mm),
                breakthrough time >30 min.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345,
                          long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.

Respiratory protection : No special measures required.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
                If the product contaminates rivers and lakes or drains inform respective authorities.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : amber
Odour : amine-like
Odour Threshold : No data available
Flash point : > 101 °C
Ignition temperature : not applicable
Lower explosion limit (Vol%) : No data available
Upper explosion limit (Vol%) : No data available
Flammability (solid, gas) : No data available
Oxidizing properties : No data available
Auto-ignition temperature : No data available
pH : Note: not applicable
Melting point/range / Freezing point : No data available
Boiling point/boiling range : No data available
Vapour pressure : No data available
Density : 1.2 g/cm³ at 20 °C
Water solubility : No data available
Partition coefficient: n-octanol/water : No data available
Viscosity, dynamic : Note: not determined
Viscosity, kinematic : > 20.5 mm²/s at 40 °C
Relative vapour density : No data available
Evaporation rate : No data available

9.2 Other information
No data available
SECTION 10: Stability and reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
The product is chemically stable.

10.3 Possibility of hazardous reactions
Hazardous reactions: Stable under recommended storage conditions.

10.4 Conditions to avoid
Conditions to avoid: No data available

10.5 Incompatible materials
Materials to avoid: No data available

10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Components: 6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine: |
| Acute oral toxicity: LD50 Oral rat: 1.515 mg/kg |

Skin corrosion/irritation
Product
No data available

Serious eye damage/eye irritation
Product
No data available

Respiratory or skin sensitisation
Product
May cause an allergic skin reaction.

Germ cell mutagenicity
Product
Mutagenicity: No data available

Carcinogenicity:
Product:
Carcinogenicity: No data available

Reproductive Toxicity/Fertility:
Reproductive toxicity: No data available

No data available

Reproductive Toxicity/Development/Teratogenicity:
Teratogenicity: No data available

No data available

STOT - single exposure:
No data available

STOT - repeated exposure:
No data available

Aspiration toxicity:
No data available

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SECTION 12: Ecological information

12.1 Toxicity:
No data available

12.2 Persistence and degradability:
No data available

12.3 Bioaccumulative potential:
No data available

12.4 Mobility in soil:
No data available

12.5 Results of PBT and vPvB assessment:
Product:
Assessment:
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects:
No data available
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product: In accordance with the EWC Waste Regulation the classification of waste is to be assigned to the jurisdiction of the origin of waste. Therefore, it is not possible to assign a particular waste identification number.

Completely emptied packagings may be given for recycling.

Empty packaging may still contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

Sika has agreed disposal contracts for all packaging which is brought into circulation in Germany.

For further details see www.sika.de

SECTION 14: Transport information

ADR
14.1 UN number: 3082
14.2 Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamin)
14.3 Class: 9
14.4 Packing group: III
14.5 Environmentally hazardous: yes

Classification Code: M6
Labels: 9
Tunnel restriction code: (E)

IATA
14.1 UN number: 3082
14.2 Description of the goods: Environmentally hazardous substance, liquid, n.o.s. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamin)
14.3 Class: 9
14.4 Packing group: III
14.5 Environmentally hazardous: yes

Labels: 9

IMDG
14.1 UN number: 3082
14.2 Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (6-methyl-2,4-bis(methylthio)phenylene-1,3-diamine)
14.3 Class: 9
14.4 Packing group: III
SAFETY DATA SHEET
Pu4ii - L HARDENER Part B vasQtec.com

Labels : 9
EmS Number 1 : F-A
EmS Number 2 : S-F
14.5 Marine pollutant : yes

14.6 Special precautions for user
No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
not applicable

SECTION 15: Regulatory information

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

Labelling according to EC Directives (67/548/EEC)

Hazard pictograms :

<table>
<thead>
<tr>
<th>R-phrase(s)</th>
<th>S-phrase(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R22</td>
<td>S24</td>
</tr>
<tr>
<td>R43</td>
<td>S37</td>
</tr>
<tr>
<td>R50/53</td>
<td>S60</td>
</tr>
</tbody>
</table>

Harmful if swallowed.
May cause sensitisation by skin contact.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Avoid contact with skin.
Wear suitable gloves.
This material and its container must be disposed of as hazardous waste.
Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Hazardous components which must be listed on the label:
403-240-8 6-methyl-2,4-bis(methylthio)phenilenamin

Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : None of the components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) : not applicable
REACH Information: All substances contained in this care
- preregistered or registered by our upstream suppliers, and/or
- preregistered or registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

Water contaminating class (Germany): WGK 3 highly water endangering
Classification according to appendix 3
Gemäß VwVws vom 30.Juli 2005

VOC-CH (VOCV): no VOC duties
VOC-EU (solvent): not applicable

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version!