

**BIZOL Allround Gear Oil MTF 75W-80**

Revision date: 08.03.2021

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

BIZOL Allround Gear Oil MTF 75W-80

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

Lubricant

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

|               |                      |                                |
|---------------|----------------------|--------------------------------|
| Company name: | BIZOL Germany GmbH   |                                |
| Street:       | Martin-Buber-Str. 12 |                                |
| Place:        | D-14163 Berlin       |                                |
| Telephone:    | +49 (30) 804 869-0   | Telefax: +49 (30) 804 869-2860 |
| e-mail:       | support@bizol.de     |                                |
| Internet:     | www.bizol.com        |                                |

**1.4. Emergency telephone number:**

Germany: +49 (30) 804 869-0 (08.00-17.00, Mo-Fr)  
In England and Wales: NHS Direct: 0845 4647 or 111 In Scotland: NHS 24 -  
08454 24 24 24 In Republic of Ireland: 01 809 2166

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****GB CLP Regulation****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.

**Special labelling of certain mixtures**

EUH208 Contains reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction.

**2.3. Other hazards**

No further relevant information available.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Mineral oil-based mixture. Mineral oil with DMSO extract &lt; 3 % as measured by IP 346.

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### Hazardous components

| CAS No       | Chemical name                                                                                                                                           |              |                  | Quantity      |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|---------------|
|              | EC No                                                                                                                                                   | Index No     | REACH No         |               |
|              | Classification (GB CLP Regulation)                                                                                                                      |              |                  |               |
| 72623-87-1   | lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based                                                                                    |              |                  | 25 - < 100 %  |
|              | 276-738-4                                                                                                                                               | 649-483-00-5 | 01-2119474889-13 |               |
|              | Asp. Tox. 1; H304                                                                                                                                       |              |                  |               |
| 72623-86-0   | lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based                                                                                    |              |                  | 2.5 - < 5 %   |
|              | 276-737-9                                                                                                                                               | 649-482-00-X | 01-2119474878-16 |               |
|              | Asp. Tox. 1; H304                                                                                                                                       |              |                  |               |
| 64742-65-0   | distillates (petroleum), solvent-dewaxed heavy paraffinic                                                                                               |              |                  | 1 - < 2.5 %   |
|              | 265-169-7                                                                                                                                               | 649-474-00-6 | 01-2119471299-27 |               |
|              | Asp. Tox. 1; H304                                                                                                                                       |              |                  |               |
|              | reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)           |              |                  | 0.3 - < 1 %   |
|              | 931-384-6                                                                                                                                               |              | 01-2119493620-38 |               |
|              | Acute Tox. 4, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H302 H319 H317 H411                                                                        |              |                  |               |
| 1213789-63-9 | C16-18-(even numbered, saturated and unsaturated)-alkylamines                                                                                           |              |                  | 0.1 - < 0.3 % |
|              | 627-034-4                                                                                                                                               |              | 01-2119473797-19 |               |
|              | Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H335 H373 H304 H400 H410 |              |                  |               |

Full text of H and EUH statements: see section 16.

### Specific Conc. Limits, M-factors and ATE

| CAS No       | EC No     | Chemical name                                                                                                                                 | Quantity      |
|--------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|              |           | Specific Conc. Limits, M-factors and ATE                                                                                                      |               |
| 72623-87-1   | 276-738-4 | lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based                                                                          | 25 - < 100 %  |
|              |           | dermal: LD50 = > 2000,0 mg/kg; oral: LD50 = > 2000,0 mg/kg                                                                                    |               |
|              | 931-384-6 | reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | 0.3 - < 1 %   |
|              |           | oral: LD50 = 2000 mg/kg Eye Irrit. 2; H319: >= 50 - 100 Skin Sens. 1; H317: >= 2,4 - 100                                                      |               |
| 1213789-63-9 | 627-034-4 | C16-18-(even numbered, saturated and unsaturated)-alkylamines                                                                                 | 0.1 - < 0.3 % |
|              |           | oral: ATE = 500 mg/kg Aquatic Acute 1; H400: M=10<br>Aquatic Chronic 1; H410: M=10                                                            |               |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice. If unconscious but breathing normally, place in recovery position and seek medical advice. Remove contaminated, saturated clothing immediately.

#### After inhalation

Remove casualty to fresh air and keep warm and at rest.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

#### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Let water be drunken in little sips (dilution effect). Call a physician immediately. Do NOT induce vomiting.

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**4.2. Most important symptoms and effects, both acute and delayed**

When in doubt or if symptoms are observed, get medical advice.

**4.3. Indication of any immediate medical attention and special treatment needed**

No information available.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media**

Full water jet.

**5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition products: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Do not inhale explosion and combustion gases.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Do not allow to enter into soil/subsoil.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Protective measures: see section 7 + 8.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Clean contaminated articles and floor according to the environmental legislation.

**6.3. Methods and material for containment and cleaning up****Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Protective measures: see section 7 + 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Use personal protection equipment. Do not eat, drink or smoke when using this product. Provide fresh air. Handle and open container with care. Conditions to avoid: generation/formation of aerosols.

**Advice on protection against fire and explosion**

No special measures are necessary.

**Advice on general occupational hygiene**

When using do not eat, drink, smoke, sniff.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Protect against: Frost. Keep away from heat. Protect from direct sunlight. Keep container tightly closed in a cool, well-ventilated place.

**7.3. Specific end use(s)**

Observe technical data sheet.

**SECTION 8: Exposure controls/personal protection**

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### 8.1. Control parameters

#### DNEL/DMEL values

| CAS No                   | Substance                                                 |                |        |            |
|--------------------------|-----------------------------------------------------------|----------------|--------|------------|
| DNEL type                |                                                           | Exposure route | Effect | Value      |
| 64742-65-0               | distillates (petroleum), solvent-dewaxed heavy paraffinic |                |        |            |
| Worker DNEL, long-term   |                                                           | inhalation     | local  | 5,40 mg/m³ |
| Consumer DNEL, long-term |                                                           | inhalation     | local  | 1,20 mg/m³ |

#### PNEC values

| CAS No                    | Substance                                                 |  |  |            |
|---------------------------|-----------------------------------------------------------|--|--|------------|
| Environmental compartment |                                                           |  |  | Value      |
| 64742-65-0                | distillates (petroleum), solvent-dewaxed heavy paraffinic |  |  |            |
| Secondary poisoning       |                                                           |  |  | 9,33 mg/kg |

#### Additional advice on limit values

- a no restriction
- b End of exposure or end of shift
- c at long-term exposure:
- d before next shift

Y: A risk of reproductive effects needs not to be feared if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept

Z: A risk of reproductive effects cannot to be excluded if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept  
 blood (B)  
 Urine (U)

### 8.2. Exposure controls

#### Appropriate engineering controls

See section 7. No additional measures necessary.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye glasses with side protection.

##### Hand protection

Wear suitable gloves. Recommended glove articles: EN ISO 374. Suitable material: NBR (Nitrile rubber). Breakthrough time: > 480 min (Thickness of the glove material: 0.4 mm). Breakthrough times and swelling properties of the material must be taken into consideration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

##### Skin protection

Protective clothing.

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. When splashes or fine mist form, a permitted breathing apparatus suitable for these purposes must be used. Suitable respiratory protection apparatus: Filtering Half-face mask (EN 149), e.g. FFA P / FFP3.

##### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

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

|                 |                |
|-----------------|----------------|
| Physical state: | Liquid         |
| Colour:         | yellow         |
| Odour:          | characteristic |

Test method

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|                                                           |                                                |
|-----------------------------------------------------------|------------------------------------------------|
| Melting point/freezing point:                             | not determined                                 |
| Boiling point or initial boiling point and boiling range: | not determined                                 |
| Flammability                                              |                                                |
| Solid/liquid:                                             | not determined                                 |
| Lower explosion limits:                                   | 0,6 vol. %                                     |
| Upper explosion limits:                                   | 6,5 vol. %                                     |
| Flash point:                                              | $\geq 200\text{ }^{\circ}\text{C}$ ASTM D 3278 |
| Auto-ignition temperature:                                | not determined                                 |
| Decomposition temperature:                                | not determined                                 |
| pH-Value:                                                 | not applicable                                 |
| Viscosity / kinematic:<br>(at 40 °C)                      | 54 mm <sup>2</sup> /s ASTM D 7042              |
| Water solubility:                                         | insoluble                                      |
| Partition coefficient n-octanol/water:                    | not determined                                 |
| Vapour pressure:<br>(at 20 °C)                            | < 0,1 hPa                                      |
| Density (at 15 °C):                                       | 0,86 g/cm <sup>3</sup> DIN EN ISO 12185        |
| Relative vapour density:                                  | not determined                                 |
| Particle characteristics:                                 | not applicable                                 |

**9.2. Other information****Other safety characteristics**

|                                            |                                                |
|--------------------------------------------|------------------------------------------------|
| Pour point:                                | $\leq -36\text{ }^{\circ}\text{C}$ ASTM D 7346 |
| Viscosity / dynamic:                       | not determined                                 |
| Flow time:                                 | not determined                                 |
| No further relevant information available. |                                                |

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

No information available.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

Heat.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No information available.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Based on available data, the classification criteria are not met.

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| CAS No       | Chemical name                                                                                                                                 |                     |         |        |        |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------|--------|--------|
|              | Exposure route                                                                                                                                | Dose                | Species | Source | Method |
| 72623-87-1   | lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based                                                                          |                     |         |        |        |
|              | oral                                                                                                                                          | LD50 > 2000,0 mg/kg | Rat     |        |        |
|              | dermal                                                                                                                                        | LD50 > 2000,0 mg/kg | Rabbit  |        |        |
|              | reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) |                     |         |        |        |
|              | oral                                                                                                                                          | LD50 2000 mg/kg     | Rat     |        |        |
| 1213789-63-9 | C16-18-(even numbered, saturated and unsaturated)-alkylamines                                                                                 |                     |         |        |        |
|              | oral                                                                                                                                          | ATE 500 mg/kg       |         |        |        |

### Irritation and corrosivity

Based on available data, the classification criteria are not met.

### Sensitising effects

Contains reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction.

### Carcinogenic/mutagenic/toxic effects for reproduction

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.

## 11.2. Information on other hazards

### Other information

Keeping to the general worker's protection rules and the industrial hygienics, there is no risk in handling this product through the personnel.

## SECTION 12: Ecological information

### 12.1. Toxicity

There are no data available on the mixture itself.

| CAS No       | Chemical name                                                 |                 |           |                                      |        |        |
|--------------|---------------------------------------------------------------|-----------------|-----------|--------------------------------------|--------|--------|
|              | Aquatic toxicity                                              | Dose            | [h]   [d] | Species                              | Source | Method |
| 1213789-63-9 | C16-18-(even numbered, saturated and unsaturated)-alkylamines |                 |           |                                      |        |        |
|              | Acute fish toxicity                                           | LC50 0,11 mg/l  | 96 h      | Pimephales promelas (fathead minnow) |        |        |
|              | Acute crustacea toxicity                                      | EC50 0,011 mg/l | 48 h      | Daphnia pulex (water flea)           |        |        |
|              | Crustacea toxicity                                            | NOEC 0,013 mg/l | 21 d      | Daphnia pulex (water flea)           |        |        |

### 12.2. Persistence and degradability

There are no data available on the mixture itself.

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| CAS No     | Chemical name                                                        |        |   |        |
|------------|----------------------------------------------------------------------|--------|---|--------|
|            | Method                                                               | Value  | d | Source |
|            | Evaluation                                                           |        |   |        |
| 72623-87-1 | lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based |        |   |        |
|            | Biodegradation                                                       | 49,0 % |   |        |

### 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

### Partition coefficient n-octanol/water

| CAS No     | Chemical name                                                                                                                                 | Log Pow |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 72623-87-1 | lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based                                                                          | >4,00   |
|            | reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched) | 3,60    |

### BCF

| CAS No       | Chemical name                                                 | BCF | Species | Source |
|--------------|---------------------------------------------------------------|-----|---------|--------|
| 1213789-63-9 | C16-18-(even numbered, saturated and unsaturated)-alkylamines | 500 |         |        |

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

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.

#### List of Wastes Code - residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

#### Contaminated packaging

Non-contaminated packages may be recycled. Consult the appropriate local waste disposal expert about waste disposal.

## SECTION 14: Transport information

### Land transport (ADR/RID)

- 14.1. UN number or ID number:**  
**14.2. UN proper shipping name:**  
**14.3. Transport hazard class(es):**  
**14.4. Packing group:**

No dangerous good in sense of this transport regulation.  
 No dangerous good in sense of this transport regulation.  
 No dangerous good in sense of this transport regulation.  
 No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

- 14.1. UN number or ID number:**  
**14.2. UN proper shipping name:**  
**14.3. Transport hazard class(es):**  
**14.4. Packing group:**

No dangerous good in sense of this transport regulation.  
 No dangerous good in sense of this transport regulation.  
 No dangerous good in sense of this transport regulation.  
 No dangerous good in sense of this transport regulation.  
 NO

Marine pollutant:

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### Air transport (ICAO-TI/IATA-DGR)

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

No data available

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

No data available

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC): 0 %

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

#### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 9.

### Abbreviations and acronyms

ADR: Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations concerning the International Carriage of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

CAS: Chemical Abstracts Service (a division of the American Chemical Society)

DNEL/DMEL: Derived No-Effect Level / Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

WEL (UK): Workplace Exposure Limits

TWA (EC): Time-Weighted Average

STEL (EC): Short Term Exposure Limit

ATE: Acute Toxicity Estimate

LD50: Lethal Dose, 50% (median lethal dose)

LC50: Lethal Concentration, 50% (median lethal concentration)

EC50: half maximal Effective Concentration

ErC50: EC50 in terms of reduction of growth rate

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

### Classification for mixtures and used evaluation method according to GB CLP Regulation

|                         |                          |
|-------------------------|--------------------------|
| Classification          | Classification procedure |
| Aquatic Chronic 3; H412 | Calculation method       |

### Relevant H and EUH statements (number and full text)

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|        |                                                                                                                                                                                           |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H302   | Harmful if swallowed.                                                                                                                                                                     |
| H304   | May be fatal if swallowed and enters airways.                                                                                                                                             |
| H314   | Causes severe skin burns and eye damage.                                                                                                                                                  |
| H317   | May cause an allergic skin reaction.                                                                                                                                                      |
| H318   | Causes serious eye damage.                                                                                                                                                                |
| H319   | Causes serious eye irritation.                                                                                                                                                            |
| H335   | May cause respiratory irritation.                                                                                                                                                         |
| H373   | May cause damage to organs through prolonged or repeated exposure.                                                                                                                        |
| H400   | Very toxic to aquatic life.                                                                                                                                                               |
| H410   | Very toxic to aquatic life with long lasting effects.                                                                                                                                     |
| H411   | Toxic to aquatic life with long lasting effects.                                                                                                                                          |
| H412   | Harmful to aquatic life with long lasting effects.                                                                                                                                        |
| EUH208 | Contains reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction. |

**Further Information**

Safety Data Sheet according to COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*