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**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product Identifier**

Trade name: ANCHORSTIK FL4656  
Product Code: 1287

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

Use of the substance/  
mixture: For industrial use only

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

Company: Redwood UK Ltd  
Address: 18 Arnside Road  
Waterlooville  
PO7 7UP  
Email: [sales@redwood-uk.com](mailto:sales@redwood-uk.com)

**1.4 Emergency telephone number**

02392 233310 (0800-1600 Mon-Fri)

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**Section 2: Hazards Identification**

**2.1 Classification of the substance or mixture**

<b>Physical hazards</b>	Flam. Liq. 2 - H225
<b>Health hazards</b>	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336
<b>Environmental hazards</b>	Aquatic Chronic 1 - H410
<b>Human Health</b>	The product is irritating to eyes and skin.
<b>Environmental</b>	The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
<b>Physicochemical</b>	The product is highly flammable. Vapours may form explosive mixtures with air.

**2.2 Label Elements**

**Hazard pictograms**



**Signal word: Danger**

<b>Hazard statements</b>	H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H410 Very toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P243 Take action to prevent static discharges. P261 Avoid breathing vapour/ spray. P273 Avoid release to the environment. P312 Call a POISON CENTRE/doctor if you feel unwell. P403+P233 Store in a well-ventilated place. Keep container tightly closed.
<b>Contains</b>	CYCLOHEXANE, ACETONE, BUTANONE, Hydrocarbons,C7-C9,nalkanes, isoalkanes,cyclics<0.1%benzene, Hydrocarbons,C7,n alkanes,isoalkanes,cyclics
<b>Supplementary precautionary</b>	P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P302+P352 IF ON SKIN: Wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see medical advice on this label). P330 Rinse mouth. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P391 Collect spillage. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

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### 2.3 Other Hazards

This product does not contain any substances classified as PBT or vPvB.

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**Section 3: Composition/information on ingredients**

**3.2 Mixtures**

**CYCLOHEXANE 20-35%**

CAS number: 110-82-7 EC number: 203-806-2 REACH registration number: 01-2119463273-41

M factor (Acute) = 1 M factor (Chronic) = 1

**Classification**

Flam. Liq. 2 - H225

Skin Irrit. 2 - H315

STOT SE 3 - H336

Asp. Tox. 1 - H304

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

**ACETONE 10-20%**

CAS number: 67-64-1 EC number: 200-662-2 REACH registration number: 01-2119471330-49

**Classification**

Flam. Liq. 2 - H225

Eye Irrit. 2 - H319

STOT SE 3 - H336

**Hydrocarbons,C7-C9,nalkanes,  
isoalkanes,cyclics<0.1%benzene**

5-10%

CAS number: — EC number: 920-750-0 REACH registration number: 01-2119473851-33

**Classification**

Flam. Liq. 2 - H225

STOT SE 3 - H336

Asp. Tox. 1 - H304

Aquatic Chronic 2 - H411

**BUTANONE 5-10%**

CAS number: 78-93-3 EC number: 201-159-0 REACH registration number: 01-2119457290-43

**Classification**

Flam. Liq. 2 - H225

Eye Irrit. 2 - H319

STOT SE 3 - H336

**Hydrocarbons,C7,n-alkanes,isoalkanes,cyclics 5-10%**

CAS number: — EC number: 927-510-4 REACH registration number: 01-2119475515-33

**Classification**

Flam. Liq. 2 - H225

Skin Irrit. 2 - H315

STOT SE 3 - H336

Asp. Tox. 1 - H304

Aquatic Chronic 2 - H411

**ETHANOL 1-5%**

CAS number: 64-17-5 EC number: 200-578-6 REACH registration number: 01-2119457610-43

**Classification**

Flam. Liq. 2 - H225

Eye Irrit. 2 - H319

**XYLENE <1%**

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-2119488216-32

**Classification**

Flam. Liq. 3 - H226  
Acute Tox. 4 - H312  
Acute Tox. 4 - H332  
Skin Irrit. 2 - H315  
Eye Irrit. 2 - H319  
STOT SE 3 - H335  
STOT RE 2 - H373  
Asp. Tox. 1 - H304  
Aquatic Chronic 3 - H412

The full text for all hazard statements is displayed in Section 16.

Composition comments The product contains organic solvents.

Chemical Nature

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**Section 4: First Aid Measures**

**4.1 Description of first aid measures**

<b>General information</b>	Move affected person to fresh air at once. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
<b>Inhalation</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if a large quantity has been ingested. Show this Safety Data Sheet to the medical personnel.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if a large quantity has been ingested. Show this Safety Data Sheet to the medical personnel.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

<b>General</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye Contact</b>	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
<b>Specific treatments</b>	Treat symptomatically.

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**Section 5: Firefighting measures**

**5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Heating may generate flammable vapours. The product is highly flammable. Vapours may form explosive mixtures with air. Vapours may accumulate on the floor and in low-lying
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Hydrogen chloride (HCl).

**5.3 Advice for firefighters**

<b>Special protective equipment for firefighters</b>	Avoid breathing fire gases or vapours. Ventilate closed spaces before entering them. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Cool containers exposed to flames with water until well after the fire is out.
<b>Protective actions during firefighting</b>	Wear chemical protective suit. Use air-supplied respirator, gloves and protective goggles.

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**Section 6: Accidental release measures**

# Safety Data Sheet

ANCHORSTIK FL4656

6.1 Personal precautions, protective equipment and emergency procedures



<b>Personal precautions</b>	Ensure suitable respiratory protection is worn during removal of spillages in confined areas. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.
<b>For non-emergency personnel</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
For emergency responders	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## 6.2 Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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## 6.3 Methods and material for containment and cleaning up

<b>Methods for cleaning up:</b>	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with sand or other inert absorbent.
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## 6.4 Reference to other sections

<b>Reference to other sections</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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## Section 7 : Handling and storage

### 7.1 Precautions for safe handling

<b>Usage precautions</b>	Keep away from heat, sparks and open flame. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Avoid inhalation of vapours/spray and contact with skin and eyes.
<b>Advice on general occupational hygiene</b>	Wash promptly with soap and water if skin becomes contaminated. Use appropriate hand lotion to prevent defatting and cracking of skin.

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### 7.2 Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at temperatures between 5°C and 25°C.
<b>Storage Class</b>	Flammable liquid storage.

**7.3 Specific End Use(s)**

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
Usage description	Adhesive.

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**Section 8: exposure controls/personal protection**

**8.1 Control parameters**

**Occupational exposure limits**

**CYCLOHEXANE**

Long-term exposure limit (8-hour TWA): WEL 100 350 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 300 1050 mg/m<sup>3</sup>

**ACETONE**

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m<sup>3</sup>

Hydrocarbons,C7-C9,n-alkanes,isoalkanes,cyclics<0.1%benzene

Long-term exposure limit (8-hour TWA): WEL 200 ppm 1,000 mg/m<sup>3</sup>

**BUTANONE**

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m<sup>3</sup>(Sk)

Hydrocarbons,C7,n-alkanes,isoalkanes,cyclics

Long-term exposure limit (8-hour TWA): OES 500 ppm 2085 mg/m<sup>3</sup>

**ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

**XYLENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m<sup>3</sup>

Sk

**METHANOL**

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 266 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 250 ppm(Sk) 333 mg/m<sup>3</sup>(Sk)

**ETHYLBENZENE**

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m<sup>3</sup>

Sk

**FORMALDEHYDE ...%**

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

WEL = Workplace Exposure Limit.

**CYCLOHEXANE (CAS: 110-82-7)**

DNEL Industry - Inhalation; Short term systemic effects: 700 mg/m<sup>3</sup>  
Industry - Inhalation; Short term local effects: 700 mg/m<sup>3</sup>  
Industry - Dermal; Long term systemic effects: 2016 mg/kg/day  
Industry - Inhalation; Long term systemic effects: 700 mg/m<sup>3</sup>  
Industry - Oral; Long term local effects: 700 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term systemic effects: 412 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term local effects: 412 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 59.4 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 1186 mg/kg/day

PNEC - Fresh water; 0.207 mg/l  
- marine water; 0.207 mg/l  
- STP; 3.24 mg/l  
- Sediment (Freshwater); 3.627 mg/kg  
- Sediment (Marinewater); 3.627 mg/kg  
- Soil; 2.99 mg/kg

**ACETONE (CAS: 67-64-1)**

DNEL Industry - Dermal; Short term systemic effects: 186 mg/m<sup>3</sup>  
Industry - Inhalation; Short term local effects: 2420 mg/m<sup>3</sup>  
Industry - Inhalation; Long term systemic effects: 1210 mg/m<sup>3</sup>  
Consumer - Dermal; Long term systemic effects: 62 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 200 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 62 mg/m<sup>3</sup>  
Industry - Dermal; Long term systemic effects: 186 mg/kg/day

PNEC - Fresh water; 10.6 mg/l  
- marine water; 1.06 mg/l  
- Sediment (Freshwater); 30.4 mg/kg  
- Sediment (Marinewater); 3.04 mg/kg  
- Soil; 29.5 mg/kg  
- STP; 100 mg/l

**BUTANONE (CAS: 78-93-3)**

Ingredient comments WEL = Workplace Exposure Limits

DNEL Consumer - Oral; Long term systemic effects: 31 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 412 mg/kg/day  
Industry - Dermal; Long term systemic effects: 1161 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 106 mg/m<sup>3</sup>  
Industry - Inhalation; Long term systemic effects: 600 mg/m<sup>3</sup>

PNEC - marine water; 55.8 mg/l  
- Intermittent release; 55.8 mg/l  
- STP; 709 mg/l  
- Sediment (Marinewater); 284.7 mg/kg  
- Soil; 22.5 mg/kg  
- Sediment (Freshwater); 284.7 mg/kg



**Hydrocarbons,C7-C9,n-alkanes,isoalkanes,cyclics<0.1%benzene**

DNEL  
Consumer - Oral; Long term systemic effects: 699 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 699 mg/kg/day  
Industry - Dermal; Long term systemic effects: 773 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 608 mg/m<sup>3</sup>  
Industry - Inhalation; Long term systemic effects: 2035 mg/m<sup>3</sup>

**Hydrocarbons,C7,n-alkanes,isoalkanes,cyclics**

DNEL  
Industry - Dermal; Long term : 300 mg/kg/day  
Industry - Inhalation; Long term : 2085 mg/m<sup>3</sup>  
Consumer - Dermal; Long term : 149 mg/kg/day  
Consumer - Inhalation; Long term : 447 mg/m<sup>3</sup>

**ETHANOL (CAS: 64-17-5)**

DNEL  
Consumer - Oral; Long term systemic effects: 87 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 206 mg/kg/day  
Industry - Dermal; Long term systemic effects: 343 mg/kg/day  
Consumer - Inhalation; Short term local effects: 950 mg/m<sup>3</sup>  
Industry - Inhalation; Short term local effects: 1900 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term systemic effects: 114 mg/m<sup>3</sup>  
Industry - Inhalation; Long term systemic effects: 950 mg/m<sup>3</sup>

PNEC  
- Fresh water; 0.96 mg/l  
- Sediment (Freshwater); 3.6 mg/kg  
- marine water; 0.79 mg/l  
- Soil; 0.63 mg/kg

**XYLENE (CAS: 1330-20-7)**

DNEL  
Consumer - Dermal; Long term systemic effects: 108 mg/kg/day  
Industry - Dermal; Long term systemic effects: 180 mg/kg/day  
Consumer - Inhalation; Short term local effects: 174 mg/m<sup>3</sup>  
Consumer - Inhalation; Short term systemic effects: 174 mg/m<sup>3</sup>  
Industry - Inhalation; Short term systemic effects: 289 mg/m<sup>3</sup>  
Industry - Inhalation; Short term local effects: 289 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term systemic effects: 14.8 mg/m<sup>3</sup>  
Industry - Inhalation; Long term systemic effects: 77 mg/m<sup>3</sup>

PNEC  
- Fresh water; 0.327 mg/l  
- Soil; 2.31 mg/kg

**METHANOL (CAS: 67-56-1)**

DNEL  
Consumer - Oral; Short term systemic effects: 8 mg/kg/day  
Consumer - Oral; Long term systemic effects: 8 mg/kg/day  
Consumer - Dermal; Short term systemic effects: 8 mg/kg/day  
Industry - Dermal; Long term systemic effects: 40 mg/kg/day  
Industry - Dermal; Short term systemic effects: 40 mg/kg/day  
Industry - Inhalation; Short term local effects: 260 mg/m<sup>3</sup>  
Industry - Inhalation; Short term systemic effects: 260 mg/m<sup>3</sup>  
Consumer - Inhalation; Short term local effects: 50 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term systemic effects: 50 mg/m<sup>3</sup>

PNEC

- Fresh water; 154 mg/l
- marine water; 15.4 mg/l
- STP; 100 mg/l
- Soil; 23.5 mg/kg
- Intermittent release; 1,540 mg/l

**ETHYLBENZENE (CAS: 100-41-4)**

DNEL Workers - Inhalation; Short term local effects: 293 mg/m<sup>3</sup>

PNEC

- marine water; 0.01 mg/l
- Intermittent release; 0.1 mg/l
- Sediment (Marinewater); 1.37 mg/l

**PARATERTIARYBUTYLPHENOL (CAS: 98-54-4)**

PNEC

- Soil; 0.324 mg/kg
- Fresh water; 0.01 mg/l
- Sediment (Freshwater); 0.975 mg/l
- Sediment (Marinewater); 0.0975 mg/l

**8.2 Exposure Control**

Protective equipment



Appropriate engineering controls



Eye/face protection



Provide adequate ventilation. Avoid inhalation of vapours. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Wear chemical splash goggles. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Wear protective gloves made of the following material: Nitrile rubber. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. The selected gloves should have a breakthrough time of at least 6 hours. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. When used with mixtures, the protection time of gloves cannot be accurately estimated.

Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Wash promptly with soap and water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.
Thermal hazards	Contact with hot product can cause serious thermal burns.
Environmental exposure controls	Keep container tightly sealed when not in use.

**Section 9: Physiscal and chemical properties**

Appearance	Liquid.
Colour	Amber.
Odour	Organic solvents.
Odour threshold	Not determined.
pH	Not available.
Melting Point	Not available.
Flash Point	-7°C Closed cup.
Evaporation Rate	Not available.
Evaporation factor	Not determined.
Flammability (solid, gas)	Lower flammable/explosive limit: 1 Upper flammable/explosive limit: 19
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.818 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	9.0 - 10.0, ISO 976
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	120-280 cP @ 23°C
Explosive properties	Not determined
Explosive under the influence of a flame	Yes
Oxidising properties	Not determined.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

**9.2 Other information**

Other information	No information required.
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# Safety Data Sheet

## ANCHORSTIK FL4656



### Section 10: Stability and reactivity

#### 10.1 Reactivity

There are no known reactivity hazards associated with this product.

#### 10.2 Chemical Stability

There are no known reactivity hazards associated with this product.

#### 10.3 Possibility of hazardous reactions

Not applicable. Not relevant.

#### 10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

#### 10.5 Incompatible materials

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 10.6 Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Hydrogen chloride (HCl).

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### Section 11: Toxicological information

#### 11.1 Information on toxicological effects

**Toxicological effects** No data recorded.

##### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) Not determined.

##### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Not determined.

##### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) Not determined.

Skin corrosion/irritation

Animal data Not determined.

Human skin model test Not determined.

Extreme pH Not determined.

##### Serious eye damage/irritation

Not determined.

##### General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Avoid contact during pregnancy/while nursing.

##### Inhalation

Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness. May cause damage to organs if inhaled.

##### Ingestion

May be harmful if swallowed.

<b>Skin contact</b>	Irritating to skin. May produce an allergic reaction.
<b>Eye contact</b>	May irritate eyes.
<b>Acute and chronic health hazards</b>	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Nausea, vomiting. Headache. Contains a substance/a group of substances which may damage the unborn child.
Route of exposure	Inhalation Skin absorption
<b><u>Target organs</u></b>	No specific target organs known.
Medical symptoms	Symptoms following overexposure to vapour may include the following: Allergic rash. Headache. Intoxication.

**CYCLOHEXANE**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)  
5,050.00

Species Rat

ATE oral (mg/kg) 5,050.0

ATE oral (mg/kg) 4,328.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
2,500.00

Species Rabbit

ATE dermal (mg/kg) 2,500.0

**Acute toxicity - inhalation**

Acute toxicity inhalation  
(LC<sub>50</sub> vapours mg/l)  
2,593.00

Species Rat

**ACETONE**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)  
5,800.00

Species Rat

ATE oral (mg/kg) 5,800.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
7,400.00

Species Rabbit

**Acute toxicity - inhalation**

(LC<sub>50</sub> vapours mg/l)  
76

Species Rat

ATE inhalation (vapours  
mg/l)  
76

**Hydrocarbons,C7-C9,n-alkanes,isoalkanes,cyclics<0.1%benzene**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)  
5,850.00

Species Rat

ATE oral (mg/kg) 5,850.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
3,000.00

Species Rabbit

ATE dermal (mg/kg) 3,000.0

**BUTANONE**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)  
2,193.00

Species Rat

ATE oral (mg/kg) 2,193.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
5,050.00

Species Rabbit

ATE dermal (mg/kg) 5,050.0

**Acute toxicity - inhalation**

Acute toxicity inhalation  
(LC<sub>50</sub> vapours mg/l)  
5,000.00

Species Rat

ATE inhalation (vapours  
mg/l)  
5,000.00

**Hydrocarbons,C7,n-alkanes,isoalkanes,cyclics**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)  
5,840.00

Species Rat

ATE oral (mg/kg) 5,840.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
2,920.00

Species Rabbit

ATE dermal (mg/kg) 2,920.0

**ETHANOL**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)  
7,060.00

Species Rat

ATE oral (mg/kg) 7,060.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
2,050.00

Species Rabbit

ATE dermal (mg/kg) 2,050.0

**Acute toxicity - inhalation**

Acute toxicity inhalation  
(LC<sub>50</sub> vapours mg/l)  
20,000.00

Species Rat

ATE inhalation (vapours  
mg/l)  
20,000.00

**XYLENE**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)  
4,300.00

Species Rat

ATE oral (mg/kg) 4,300.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
2,000.00

Species Rabbit

ATE dermal (mg/kg) 1,100.0



**Acute toxicity - inhalation**

Acute toxicity inhalation  
(LC<sub>50</sub> vapours mg/l)  
10

Species Rat

ATE inhalation (vapours  
mg/l)  
10

Carcinogenicity  
IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

**Butylated reaction product of p-cresol & dicyclopentadiene**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)  
5,001.00

Species Rat

ATE oral (mg/kg) 5,001.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
2,001.00

Species Rat

ATE dermal (mg/kg) 2,001.0

**METHANOL**

**Acute toxicity - oral**

ATE oral (mg/kg) 100.0

Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
2,000.00

Species Rabbit

**Acute toxicity - inhalation**

Acute toxicity inhalation  
(LC<sub>50</sub> vapours mg/l)  
20

Species Rat

ATE inhalation (vapours  
mg/l)  
20

**ETHYLBENZENE**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)  
3,500.00

Species Rat

ATE oral (mg/kg) 3,500.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
4,100.00

Species Rabbit

ATE dermal (mg/kg) 4,100.0

**Acute toxicity - inhalation**

Acute toxicity inhalation  
(LC<sub>50</sub> gases ppmV)  
4,000.00

Species Rat

ATE inhalation (gases  
ppm)  
4,000.00

**Carcinogenicity**

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

**PARATERTIARYBUTYLPHENOL**

**Acute toxicity - oral**

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)  
5,660.00

Species Rat

ATE oral (mg/kg) 5,660.0

**Acute toxicity - dermal**

Acute toxicity dermal (LD<sub>50</sub>  
mg/kg)  
4,100.00

Species Rabbit

ATE dermal (mg/kg) 4,100.0

**Section 12: Ecological information**

**Ecotoxicity** Dangerous for the environment if discharged into watercourses. Very toxic to aquatic life with long lasting effects.

**12.1. Toxicity Ecological information on ingredients**

**dichloromethane**

**Acute aquatic toxicity**

Acute toxicity - fish Not determined.

Acute toxicity - aquatic invertebrates Not determined.

Acute toxicity - aquatic plants Not determined.

Acute toxicity - microorganisms Not determined.

Acute toxicity - terrestrial Not determined.

**Chronic aquatic toxicity**

Chronic toxicity - fish early life stage Not determined

Short term toxicity - embryo and sac fry stages Not determined.

Chronic toxicity - aquatic invertebrates Not determined.

**Ecological information on ingredients.**

**TOLUENE**

**Acute aquatic toxicity**

LE(C)<sub>50</sub> 0.1 < L(E)C<sub>50</sub> ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 4.53 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic  
invertebrates

EC<sub>50</sub>, 48 hours: 0.9 mg/l, Daphnia magna

Acute toxicity - aquatic  
plants

EC<sub>50</sub>, 72 hours: 3.4 mg/l, Selenastrum capricornutum

**Chronic aquatic toxicity**

M factor (Chronic) 1

**ACETONE**

**Acute aquatic toxicity**

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout)  
LC<sub>50</sub>, 96 hours: 8,300 mg/l, Lepomis macrochirus (Bluegill)  
LC<sub>50</sub>, 96 hours: >100 mg/l, Fish

Acute toxicity - aquatic  
invertebrates EC<sub>50</sub>, 48 hours: 8,800 mg/l, Daphnia magna

Acute toxicity - aquatic  
plants NOEC, 96 hours: 430 mg/l, Freshwater algae  
IC<sub>50</sub>, 72 hours: >100 mg/l, Algae

**Chronic aquatic toxicity**

Chronic toxicity - aquatic  
invertebrates NOEC, 28 days: 10-<100 mg/l, Freshwater invertebrates

**Hydrocarbons,C7-C9,n-alkanes,isoalkanes,cyclics<0.1%benzene**

**Acute aquatic toxicity**

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 1-10 mg/l, Fish  
NOEC, 0.1 : 1.0 mg/l, Fish

Acute toxicity - aquatic  
invertebrates EC<sub>50</sub>, 48 hours: 10-100 mg/l, Daphnia magna

Acute toxicity - aquatic  
plants NOEC, 96 hours: 430 mg/l, Freshwater algae  
IC<sub>50</sub>, 72 hours: >100 mg/l, Algae

Acute toxicity -  
microorganisms IC<sub>50</sub>, : 1-10 mg/l, Activated sludge  
NOEC, 0.01 : 0.1 mg/l, Activated sludge

**BUTANONE**

**Acute aquatic toxicity**

Acute toxicity - fish LC50, 96 hours: 2993 mg/l, Pimephales promelas (Fat-head Minnow)  
LC50, 48 hours: > 100 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 308 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 96 hours: 2029 , Pseudokirchneriella subcapitata

**Chronic aquatic toxicity**

Chronic toxicity - fish early life stage NOEC, 28 days: 1.53 mg/l, Oncorhynchus mykiss (Rainbow trout)

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 1 mg/l, Daphnia magna

**ETHANOL**

**Acute aquatic toxicity**

Acute toxicity - fish LC50, 48 hours: > 100 mg/l, Leuciscus idus (Golden orfe)  
LC<sub>50</sub>, 96 hours: 1030 mg/l, Fish

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 3 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, >: > 100 mg/l, Freshwater algae

Acute toxicity - Invertebrates EC<sub>50</sub>, 48 hours: > 100 mg/l, Daphnia magna

**XYLENE**

**Acute aquatic toxicity**

Acute toxicity - fish LC50, 96 hours: 8.9 - 16.4 mg/l, Pimephales promelas (Fat-head Minnow)  
EC<sub>50</sub>, 96 hours: 86 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 3.2- 9.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 48 hours: 1 - 10 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms , : ,

**Butylated reaction product of p-cresol & dicyclopentadiene**

**Acute aquatic toxicity**

Acute toxicity - fish LC<sub>50</sub>, 96 hours: > 0.2 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 96 hours: > 0.2 mg/l, Daphnia magna

**METHANOL**

**Acute aquatic toxicity**

Acute toxicity - fish LC<sub>50</sub>, 96 hours: >7900 mg/l, Fish

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 24 hours: 7,600 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, >: > 500 mg/l, Freshwater algae

**ETHYLBENZENE**

**Acute aquatic toxicity**

Acute toxicity - fish LC<sub>50</sub>, 48 hours: 44 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 75 mg/l, Daphnia magna

Acute toxicity - aquatic plants , : ,

Acute toxicity - microorganisms , : ,

**PARATERTIARYBUTYLPHENOL**

**Acute aquatic toxicity**

Acute toxicity - fish LC<sub>50</sub>, 96 hours: > 4.71 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: > 3.5 mg/l, Daphnia magna

**12.2. Persistence and degradability**

Persistence and degradability The product is expected to be slowly biodegradable.

Phototransformation Not relevant.

Stability (hydrolysis) Not determined.

Biodegradation Not determined.

Biological oxygen demand Not determined.

Chemical oxygen demand Not determined.

**Ecological information on ingredients.**

**CYCLOHEXANE**

Biodegradation Degradation (%)  
- 77:

**ACETONE**

Persistence and degradability The product is readily biodegradable.

Biodegradation - Degradation (%) : days  
readily biodegradable  
- Degradation (%) 91: 28 days  
readily biodegradable

Biological oxygen demand 1.9 g O<sub>2</sub>/g substance

Chemical oxygen demand 2.1 g O<sub>2</sub>/g substance

**BUTANONE**

Persistence and degradability The product is biodegradable.

Biodegradation Water - Degradation (%) 98: 28 days  
readily biodegradable

**Hydrocarbons,C7,n-alkanes,isoalkanes,cyclic**

Biodegradation Degradation (%)  
- 98:

**ETHANOL**

Biodegradation Degradation (%) 70: >

**XYLENE**

Biodegradation Water - Degradation (%) 60: > 28 days  
readily biodegradable

**ETHYLBENZENE**

Biodegradation Water - Degradation (%) 70 - 80: 28 days  
readily biodegradable

**12.3. Bioaccumulative potential**

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

**Ecological information on ingredients.**

**CYCLOHEXANE**

Bioaccumulative potential : 83.15,

Partition coefficient : 3.44

**ACETONE**

Bioaccumulative potential The product is not bioaccumulating. BCF: < 10, Will not accumulate

**BUTANONE**

Bioaccumulative potential The product is not bioaccumulating.

**METHANOL**

Bioaccumulative potential BCF: 28,400, 9.0 - 10.0, ISO 976

**12.4. Mobility in soil**

Mobility - The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Adsorption/desorption coefficient Not determined.

Henry's law constant Not determined.

Surface tension Not determined.

**Ecological information on ingredients.**

**BUTANONE**

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

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

This product does not contain any substances classified as PBT or vPvB.

**12.6 Other Adverse effects**

Not known.



# Safety Data Sheet

## ANCHORSTIK FL4656



### Section 13: Disposal considerations

#### 13.1 Waste treatment methods

General information	Waste liquid components should be suitable for incineration at an approved facility.
Disposal Methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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### Section 14: Transport information

#### 14.1 UN Number

UN No. (ADR/RID) 1133  
UN No. (IMDG) 1133  
UN No. (ICAO) 1133

#### 14.2 UN proper shipping name

Proper shipping name (ADR/RID) ADHESIVES (CYCLOHEXANE)  
Proper shipping name (IMDG) ADHESIVES (CYCLOHEXANE)  
Proper shipping name (ICAO) ADHESIVES (CYCLOHEXANE)  
Proper shipping name (ADN) ADHESIVES (CYCLOHEXANE)

#### 14.3 Transport hazard class(es)

ADR/RID class 3  
ADR/RID label 3  
IMDG class 3  
ICAO class/division 3

Transport labels



#### 14.4 Packing group

ADR/RID packing group II  
IMDG packing group II  
ICAO packing group II

#### 14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant



**14.6 Special precautions for user**

EmS F-E, S-D  
ADR transport category 3  
Emergency Action Code \*3YE  
Hazard Identification Number 33  
(ADR/RID)  
Tunnel restriction code (D/E)

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

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

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**Section 15:Regulatory information**

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

National regulations	Control of Pollution Act 1974. Control of Substances Hazardous to Health Regulations 2002 (as amended). Health and Safety at Work etc. Act 1974 (as amended). EH40/2005 Workplace exposure limits.
EU Legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Safety Data Sheets for Substances and Preparations.
Authorisations (Annex XIV Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Annex XVII Regulation 1907/2006)	No specific restrictions on use are known for this product.

**15.2 Chemical safety assessment** No chemical safety assessment has been carried out.

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### Section 16: Other information

#### Full text of H-Statements

ATE: Acute Toxicity Estimate.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service.  
DNEL: Derived No Effect Level.  
GHS: Globally Harmonized System.  
IATA: International Air Transport Association.  
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
Kow: Octanol-water partition coefficient.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
SVHC: Substances of Very High Concern.  
vPvB: Very Persistent and Very Bioaccumulative.  
IARC: International Agency for Research on Cancer.  
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
cATpE: Converted Acute Toxicity Point Estimate.  
BCF: Bioconcentration Factor.  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
LOAEC: Lowest Observed Adverse Effect Concentration.  
LOAEL: Lowest Observed Adverse Effect Level.  
NOAEC: No Observed Adverse Effect Concentration.  
NOAEL: No Observed Adverse Effect Level.  
NOEC: No Observed Effect Concentration.  
LOEC: Lowest Observed Effect Concentration.  
DMEL: Derived Minimal Effect Level.  
UN: United Nations.  
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).

Key literature references and sources for data

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.





















































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