# Safety Data Sheet

## One Coat DPM *Fast* - Hardener

according to Regulation (EC) No.1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758 and UK SI 2020/1567

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

### 1.1. Product identifier

| | |
|---|---|
| Product form | : Mixture |
| Trade name | : One Coat DPM *Fast* - Hardener |
| Type of product | : Liquid |

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

#### 1.2.1. Relevant identified uses

Main use category : Consumer use, Professional use, Industrial use

#### 1.2.2. Uses advised against

None identified

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

**Manufacturer**

Kelmore Ltd
The Dell
Berry Way
Chorley
PR7 6RA

**e-mail address of person responsible for this SDS**: info@kelmore.co.uk

### 1.4. Emergency telephone number

**Telephone number**: +44 (0) 1257 830511 *Office hours only

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to UK CLP/GHS**

| | |
|---|---|
| Skin corrosion/irritation – Category 1A | H314 |
| Serious eye damage/ irritation – Category | H318 |
| Skin Sensitiser – Category 1 | H317 |
| Reproductive toxicity - Category 2 | H361 |
| STOT RE – Category 1 | H372 |
| Aquatic Chronic – Category 2 | H411 |

Full text of H statements: see section 16
See section 11 for more detailed information on health effects and symptoms.

### 2.2. Label elements

**Hazard Pictograms** :

**Signal Word** : Danger

**Hazard Statements** : H314 – Causes severe skin burns and eye damage.
H317 – May cause an allergic skin reaction.
H361 – Suspected of damaging fertility or the unborn child.
H372 – Causes damage to organs through prolonged or repeated exposure.
H411 – Toxic to aquatic life with long lasting effects.

**Precautionary statements** : P102 – Keep out the reach of children.
: P280 – Wear protective gloves/protective clothing/eye protection/face protection.
: P303 + P361 + P353+P310: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

**Hazardous ingredients**

: 4-tert-butylphenol; Paraformaldehyde, polimeric reaction products with 4-tert-butylphenol, m-phenylenbis(methylamine) and trimethylhexane-1,6-; m-phenylenebis(methylamine); 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine; Reaction mass of (1-phenylethyl)phenols and bis-(1-phenylethyl)phenols; Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine; Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine; 3-aminopropyldimethylamine; N,N-dimethyl-1,3-diaminopropane

## 2.3. Other hazards

This mixture does not meet the PBT criteria of REACH regulation, annex XIII

This mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

# SECTION 3: Composition/information on ingredients

## 3.1. Substances

Not applicable

## 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Type |
|---|---|---|---|---|
| **4-tert-butylphenol substance listed on REACH Candidate List substance identified as having endocrine disrupting properties** | CAS-No.: 98-54-4<br>EC-No.: 202-679-0 | ≥ 20 – < 30 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Repr. 2, H361f<br>Aquatic Chronic 1, H410 | [1] |
| **Paraformaldehyde, polimeric reaction products with 4tert-butylphenol, m-phenylenbis(methylamine) and trimethylhexane-1,6-** | CAS-No.: 2408029-04-7 | ≥ 20 – < 30 | Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 | [1] |
| **m-phenylenebis(methylamine)** | CAS-No.: 1477-55-0<br>EC-No.: 216-032-5 | ≥ 20 – < 30 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 | [1] |
| **2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine** | CAS-No.: 25513-64-8<br>EC-No.: 247-063-2 | ≥ 10 – < 15 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1A, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>STOT RE 1, H372<br>Aquatic Chronic 3, H412 | [1] |
| **Reaction mass of (1-phenylethyl)phenols and bis-(1phenylethyl)phenols** | EC-No.: 701-443-9 | ≥ 1 – < 10 | Skin Irrit. 2, H315<br>Skin Sens. 1A, H317<br>Aquatic Chronic 2, H411 | [1] |
| **Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine** | CAS-No.: 68082-29-1<br>EC-No.: 500-191-5 | ≥ 1 – < 10 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 | [1] |
| **Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine** | CAS-No.: 186321-96-0<br>EC-No.: 606-078-8 | ≥ 1 – < 10 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1) | [1] |
| **benzyl alcohol** | CAS-No.: 100-51-6<br>EC-No.: 202-859-9 | ≥ 1 – < 10 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation), H332 | [1] |

| | | | | |
|---|---|---|---|---|
| **3-aminopropyldimethylamine; N,N-dimethyl-1,3diaminopropane** | CAS-No.: 109-55-7<br>EC-No.: 203-680-9 | ≥ 0.1 – < 1 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1B, H314<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412 | [1] |

**Type** [1] Substance classified with a health or environmental hazard

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**First-aid measures general** : Get medical advice/attention if you feel unwell.

**First-aid measures after inhalation** : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

**First-aid measures after skin contact** : If skin irritation occurs: Get medical advice/attention. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure.

**First-aid measures after eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

**First-aid measures after ingestion** : Get medical attention immediately. Call a poison centre or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

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

**Over-exposure signs/symptoms**

**Eye contact** : Adverse symptoms may include the following: pain, watering, redness

**Inhalation** : Adverse symptoms may include the following: respiratory tract irritation, coughing **Skin**

**Contact** : Adverse symptoms may include the following: pain, irritation, redness, blistering

**Ingestion** : Adverse symptoms may include the following: stomach pains

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

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled

**Specific treatments** : No specific treatment

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** : Suitable extinguishing media for the surrounding fire should be used.

**Unsuitable extinguishing media** : Non known.

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

**Hazardous combustion products** : Toxic fumes may be released.

### 5.3. Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Notify authorities if product enters sewers or public waters.

#### 6.1.1. For non-emergency personnel

| | |
|---|---|
| Emergency procedures | : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. |
| Protective equipment | : Put on appropriate personal protective equipment |

#### 6.1.2. For emergency responders

| | |
|---|---|
| Emergency procedures | : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |

### 6.2. Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3. Methods and material for containment and cleaning up

| | |
|---|---|
| **For containment** | : Collect spillage using bunding. |
| **Methods for cleaning up** | : Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. |
| **Other information** | : Dispose of materials or solid residues at an authorized site or via a licensed waste disposal contractor. |

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

| | |
|---|---|
| **Precautions for safe handling** | : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. |
| **Hygiene measures** | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Wear personal protective equipment. |

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

| | |
|---|---|
| **Storage conditions** | : Keep only in the original container in a cool, well ventilated place away from: Direct sunlight. Heat sources. |
| **Incompatible materials** | : Sources of ignition. |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available.

#### 8.1.2 Recommended monitoring procedures

No additional information available

#### 8.1.3 Air contaminants formed

No additional information available

#### 8.1.4 DNEL AND PNEC

No additional information available

### 8.2. Exposure controls

**Appropriate engineering controls:**

Use only with adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Personal protective equipment:**

| **Respiratory protection:** |
|---|
| In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: disposable particulate mask (P2) (EN143) |
| **Hand protection:** |
| Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products.<br>Material: Nitrile rubber (NBR), Butyl rubber, Latex, Viton® II<br>Permeation: 6 (> 480 minutes)<br>Thickness: >0.5mm |
| Eye protection: |
| Safety Glasses |

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | : Liquid |
| **Colour** | : Clear |
| **Odour** | : Mild |
| **Odour threshold** | : No data available |
| **pH** | : 10.8 |
| **Relative evaporation rate (butylacetate=1)** | : No data available |
| **Melting point** | : Not relevant |
| **Freezing point** | : Not relevant |
| **Boiling point** | : No data available |
| **Flash point** | : Non flammable |
| **Auto-ignition temperature** | : No data available |
| **Decomposition temperature** | : No data available |
| **Flammability (solid, gas)** | : No data available |
| **Vapour pressure** | : No data available |
| **Relative vapour density at 20 °C** | : No data available |
| **Relative density** | : No data available |
| **Density** | : 1.05 g/cm³ |
| **Solubility** | : No data available |
| **Log Pow** | : No data available |
| **Viscosity, kinematic** | : 504.762 $mm^2/s$ |
| **Viscosity, dynamic** | : 503 mPa-s |
| **Explosive properties** | : No data available |
| **Oxidising properties** | : No data available |
| **Explosive limits** | : No data available |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Thermal decomposition generates: Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

| | |
|---|---|
| **Acute toxicity (oral)** | : Based on available data, the classification criteria are not met. |
| **Acute toxicity (dermal)** | : Based on available data, the classification criteria are not met. |
| **Acute toxicity (inhalation)** | : Based on available data, the classification criteria are not met. |
| **Skin corrosion/irritation** | : Causes severe skin burns. pH 10.8 |
| **Serious eye damage/irritation** | : Causes serious eye damage. pH10.8 |
| **Respiratory or skin sensitisation** | : May cause an allergic skin reaction. |
| **Germ cell mutagenicity** | : Not classified |
| **Carcinogenicity** | : Suspected of damaging fertility or the unborn child. |
| **Reproductive toxicity** | : Not classified |
| **STOT-single exposure** | : Not classified |
| **STOT-repeated exposure** | : Causes damage to organs through prolonged or repeated exposure. |
| **Aspiration hazard** | : Not classified |
| **Endocrine disrupting properties** | : 4-tert-butylphenol (98-54-4) is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3) |
| **Other information** | : Not available |

## SECTION 12: Ecological information

### 12.1. Toxicity

| | |
|---|---|
| **Acute aquatic toxicity** | : Not classified. (Based on available data, the classification criteria are not met) |
| **Chronic aquatic toxicity** | : Toxic to the aquatic environment with long lasting effects. |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6. Endocrine disrupting properties

No known significant effects or critical hazards.

### 12.6. Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

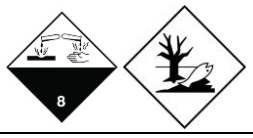
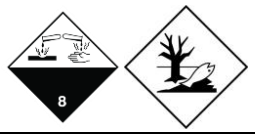
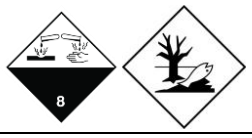
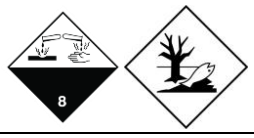
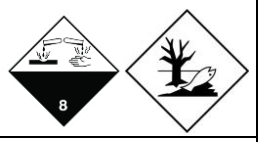
**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Yes

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|---|---|
| **14.1. UN number** | | | | |
| 2735 | 2735 | 2735 | 2735 | 2735 |
| **14.2. UN proper shipping name** | | | | |
| AMINES, LIQUID, CORROSIVE, N.O.S. (4-tert-butylphenol) | AMINES, LIQUID, CORROSIVE, N.O.S. (4-tert-butylphenol) | AMINES, LIQUID, CORROSIVE, N.O.S. (4-tert-butylphenol), | AMINES, LIQUID, CORROSIVE, N.O.S. (4-tert-butylphenol), | AMINES, LIQUID, CORROSIVE, N.O.S. (4-tert-butylphenol), |
| **14.3. Transport hazard class(es)** | | | | |
| 8 | 8 | 8 | 8 | 8 |
|  |  |  |  |  |
| **14.4. Packing group** | | | | |
| II | II | II | II | II |
| **14.5. Environmental hazards** | | | | |
| YES | YES | YES | YES | YES |
| No supplementary information available | | | | |

### 14.6. Special precautions for user

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

Not applicable

## SECTION 15: Regulatory information

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

**UK (GB)/REACH**

Contains no REACH substances Annex XIV - List of substances subject to authorization

Contains no REACH substances with Annex XVII restrictions

Contains substance(s) listed on the REACH Candidate List in concentrations ≥ 0.1 % or SCL: 4-tert-butylphenol (EC 202-679-0, CAS 98-54-4)

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

**15.1.2. National regulations**

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier.

## SECTION 16: Other information

**Abbreviations and acronyms:**

ATE = Acute Toxicity Estimate

GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration vPvB

vPvB = Very Persistent and Very Bioaccumulative

ED = Endocrine disrupting properties

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, the above named supplier does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.