SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: Paraffin waxes and Hydrocarbon waxes
   CAS: 8002-74-2
   EC: 232-315-6
   Index: Non-applicable
   REACH: 01-2119488076-30-XXXX

1.2 Relevant identified uses of the substance or mixture and uses advised against:
   Relevant uses: Chemical sample for use in laboratories. For professional user/industrial user only.
   Uses advised against: All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:
   Scientific & Chemical Supplies Limited
   Carlton House, Livingstone Road
   WV14 0QZ Bilston - England
   Phone.: +44 (0) 1902 402402 - Fax: +44 (0) 1902 402343
   customerservices@scichem.com
   www.scichem.com

1.4 Emergency telephone number: +44 (0) 7919 258 784

SECTION 2: HAZARDS IDENTIFICATION **

2.1 Classification of the substance or mixture:
   CLP Regulation (EC) No 1272/2008:
   The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:
   CLP Regulation (EC) No 1272/2008:
   None

2.3 Other hazards:
   Product fails to meet PBT/vPvB criteria

** Changes with regards to the previous version

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:
   Chemical description: Organic compounds

   Components:
   In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

<table>
<thead>
<tr>
<th>Identification</th>
<th>Chemical name/Classification</th>
<th>Concentration</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 8002-74-2</td>
<td>Paraffin waxes and Hydrocarbon waxes</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>EC: 232-315-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index: Non-applicable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REACH: 01-2119488076-30-XXXX</td>
<td></td>
<td></td>
<td>80 - &lt;100 %</td>
</tr>
<tr>
<td>1902 402402 -</td>
<td>Regulation 1272/2008</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   To obtain more information on the hazards of the substances consult sections 8, 11, 12, 15 and 16.

3.2 Mixture:
   Non-applicable

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:
   Consult a doctor in case of discomfort showing the SDS for the product.

   By inhalation:
SECTION 4: FIRST AID MEASURES (continued)

In case of symptoms, move the person affected into fresh air.

By skin contact:
In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,…), seek medical advice with this Safety data Sheet

By eye contact:
Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.

By ingestion/aspiration:
In case of consumption in large quantities, it is recommended to seek medical assistance.

4.2 Most important symptoms and effects, both acute and delayed:
Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:
Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:
Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,…)

5.2 Special hazards arising from the substance or mixture:
Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

5.3 Advice for firefighters:
Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:
Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:
Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.2 Environmental precautions:
This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up:
It is recommended:
Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.4 Reference to other sections:
See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:
A.- Precautions for safe manipulation
Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

- CONTINUED ON NEXT PAGE -
SECTION 7: HANDLING AND STORAGE (continued)

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.- Technical recommendations to prevent ergonomic and toxicological risks
Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks
It is not necessary to take special measures to prevent environmental risks. For more information see subsection 6.2

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage
Store in a cool, dry, well-ventilated location

B.- General conditions for storage
Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):
Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:
Substances whose occupational exposure limits have to be monitored in the workplace (EH40/2005 Workplace exposure limits):

<table>
<thead>
<tr>
<th>Identification</th>
<th>Environmental limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffin waxes and Hydrocarbon waxes</td>
<td>WEL (8h) 2 mg/m³</td>
</tr>
<tr>
<td>CAS: 8002-74-2 EC: 232-315-6</td>
<td>WEL (15 min) 6 mg/m³</td>
</tr>
</tbody>
</table>

Nuisance dust: Inhalable dust 10 mg/m³ // Respirable dust 4 mg/m³

DNEL (Workers):
Non-applicable

DNEL (General population):
Non-applicable

PNEC:
Non-applicable

8.2 Exposure controls:

A.- General security and hygiene measures in the work place
As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,….) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.
All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection
The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>PPE</th>
<th>Labelling</th>
<th>CEN Standard</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mandatory hand protection</td>
<td>NON-disposable chemical protective gloves (NBR), Breakthrough Time 480 min, thickness 0.12 mm</td>
<td>CE CAT III</td>
<td>EN 374-1:2003 EN 374-3:2003/AC:2006 EN 420:2003+A1:2009</td>
<td>The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.</td>
</tr>
</tbody>
</table>

D.- Ocular and facial protection

- CONTINUED ON NEXT PAGE -
### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>PPE</th>
<th>Labelling</th>
<th>CEN Standard</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Mandatory face protection" /></td>
<td>Panoramic glasses against splash/projections.</td>
<td>CE CAT II</td>
<td>EN 166:2001 EN ISO 4007:2012</td>
<td>Clean daily and disinfect periodically according to the manufacturer’s instructions. Use if there is a risk of splashing.</td>
</tr>
<tr>
<td><img src="image" alt="PPE" /></td>
<td>Work clothing</td>
<td>CE CAT I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### E. - Body protection

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>PPE</th>
<th>Labelling</th>
<th>CEN Standard</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="PPE" /></td>
<td>Anti-slip work shoes</td>
<td></td>
<td>EN ISO 20347:2012</td>
<td></td>
</tr>
</tbody>
</table>

### F. - Additional emergency measures

- It is not necessary to take additional emergency measures.

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

- **V.O.C. (Supply):** 0 % weight
- **V.O.C. density at 20 ºC:** 0 kg/m³ (0 g/L)
- **Average carbon number:** Non-applicable
- **Average molecular weight:** Non-applicable

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

**Appearance:**

- **Physical state at 20 ºC:** Solid
- **Appearance:** Not available
- **Colour:** Colourless
- **Odour:** Not available
- **Odour threshold:** Non-applicable *

**Volatile:**

- **Boiling point at atmospheric pressure:** Non-applicable *
- **Vapour pressure at 20 ºC:** Non-applicable *
- **Vapour pressure at 50 ºC:** Non-applicable *
- **Evaporation rate at 20 ºC:** Non-applicable *

**Product description:**

- **Density at 20 ºC:** 960 kg/m³
- **Relative density at 20 ºC:** 0.96
- **Dynamic viscosity at 20 ºC:** Non-applicable *
- **Kinematic viscosity at 20 ºC:** Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.*
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinematic viscosity at 40 ºC:</td>
<td>Non-applicable *</td>
</tr>
<tr>
<td>Concentration:</td>
<td>Non-applicable *</td>
</tr>
<tr>
<td>pH:</td>
<td>Non-applicable *</td>
</tr>
<tr>
<td>Vapour density at 20 ºC:</td>
<td>Non-applicable *</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water 20 ºC:</td>
<td>Non-applicable *</td>
</tr>
<tr>
<td>Solubility in water at 20 ºC:</td>
<td>Non-applicable *</td>
</tr>
<tr>
<td>Solubility properties:</td>
<td>Immiscible</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Non-applicable *</td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td>70 ºC</td>
</tr>
<tr>
<td>Explosive properties:</td>
<td>Non-applicable *</td>
</tr>
<tr>
<td>Oxidising properties:</td>
<td>Non-applicable *</td>
</tr>
</tbody>
</table>

Flammability:
- Flash Point: 113 ºC
- Flammability (solid, gas): Non-applicable *
- Autoignition temperature: 245 ºC
- Lower flammability limit: Non-applicable *
- Upper flammability limit: Non-applicable *

Explosive:
- Lower explosive limit: Non-applicable *
- Upper explosive limit: Non-applicable *

Other information:
- Surface tension at 20 ºC: Non-applicable *
- Refraction index: Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:
No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:
Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:
Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:
Applicable for handling and storage at room temperature:

<table>
<thead>
<tr>
<th>Condition</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shock and friction</td>
<td></td>
</tr>
<tr>
<td>Contact with air</td>
<td></td>
</tr>
<tr>
<td>Increase in temperature</td>
<td></td>
</tr>
<tr>
<td>Sunlight</td>
<td></td>
</tr>
<tr>
<td>Humidity</td>
<td></td>
</tr>
</tbody>
</table>

10.5 Incompatible materials:

<table>
<thead>
<tr>
<th>Category</th>
<th>Water</th>
<th>Oxidising materials</th>
<th>Combustible materials</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acids</td>
<td>Avoid strong acids</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Avoid alkalis or strong bases</td>
</tr>
</tbody>
</table>

10.6 Hazardous decomposition products:
See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:
SECTION 11: TOXICOLOGICAL INFORMATION (continued)

LD50 oral > 2000 mg/kg (rat)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):
- Acute toxicity: Based on available data, the classification criteria are not met
- Corrosivity/Irritability: Based on available data, the classification criteria are not met

B- Inhalation (acute effect):
- Acute toxicity: Based on available data, the classification criteria are not met
- Corrosivity/Irritability: Based on available data, the classification criteria are not met

C- Contact with the skin and the eyes (acute effect):
- Contact with the skin: Based on available data, the classification criteria are not met
- Contact with the eyes: Based on available data, the classification criteria are not met

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
- Carcinogenicity: Based on available data, the classification criteria are not met
  IARC: Non-applicable
- Mutagenicity: Based on available data, the classification criteria are not met
- Reproductive toxicity: Based on available data, the classification criteria are not met

E- Sensitizing effects:
- Respiratory: Based on available data, the classification criteria are not met
- Cutaneous: Based on available data, the classification criteria are not met

F- Specific target organ toxicity (STOT) - single exposure:
  Based on available data, the classification criteria are not met

G- Specific target organ toxicity (STOT)-repeated exposure:
- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met
- Skin: Based on available data, the classification criteria are not met

H- Aspiration hazard:
  Based on available data, the classification criteria are not met

Other information:
Non-applicable

Specific toxicology information on the substances:
Not available

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:
Not available

12.2 Persistence and degradability:
Not available

12.3 Bioaccumulative potential:
Not available

12.4 Mobility in soil:
Not available

12.5 Results of PBT and vPvB assessment:
Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:
Not described
**SECTION 13: DISPOSAL CONSIDERATIONS**

### 13.1 Waste treatment methods:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Waste class (Regulation (EU) No 1357/2014)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 03 06</td>
<td>organic wastes other than those mentioned in 16 03 05</td>
<td>Non dangerous</td>
</tr>
</tbody>
</table>

**Type of waste (Regulation (EU) No 1357/2014):**
Non-applicable

**Waste management (disposal and evaluation):**
Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC, The Waste Regulations 2011, 2011 No. 988). As under 15.01 (2014/955/EU) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

**Regulations related to waste management:**
In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated


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**SECTION 14: TRANSPORT INFORMATION**

This product is not regulated for transport (ADR/RID, IMDG, IATA)

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**SECTION 15: REGULATORY INFORMATION**

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

- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable
- Article 95, REGULATION (EU) No 528/2012: Non-applicable
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Seveso III:**
Non-applicable

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ...):**
Non-applicable

**Specific provisions in terms of protecting people or the environment:**
It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (CDG 2009), SI 2009 No 1348
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011, 2011 No. 1885
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits
The Waste Regulations 2011, 2011 No. 988

### 15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

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**SECTION 16: OTHER INFORMATION **

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -
SECTON 16: OTHER INFORMATION ** (continued)

Legislation related to safety data sheets:
This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks:
CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
- Pictograms
- Hazard statements
- Precautionary statements

Texts of the legislative phrases mentioned in section 3:
The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:
Non-applicable

Advice related to training:
Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:
http://echa.europa.eu
http://eur-lex.europa.eu

Abbreviations and acronyms:
ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon

** Changes with regards to the previous version**

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -