

according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended

Creation Date 26-Jan-2010

Revision Date 20-Oct-2023

Revision Number 8

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

1.1. Product identifier

| Product Description: |
|----------------------|
| Cat No. : |
| Synonyms |
| Index No |
| CAS No |
| EC No |
| Molecular Formula |

Potassium persulfate P/6640/50, P/6640/53 Potassium peroxydisulfate 016-061-00-1 7727-21-1 231-781-8 K2 O8 S2

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

| Recommended Use Sector of use | Laboratory chemicals. SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites |
|----------------------------------|---|
| Product category | PC21 - Laboratory chemicals |
| Process categories | PROC15 - Use as a laboratory reagent |
| Environmental release category | ERC6a - Industrial use resulting in manufacture of another substance (use of intermediates) |
| Uses advised against | No Information available |

1.3. Details of the supplier of the safety data sheet

UK entity/business name Fisher Scientific UK Bishop Meadow Road, Loughborough, Leicestershire LE11 5RG, United Kingdom

EU entity/business name

Thermo Fisher Scientific Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium

E-mail address

begel.sdsdesk@thermofisher.com

1.4. Emergency telephone number

Tel: 01509 231166 Chemtrec US: (800) 424-9300 Chemtrec EU: 001-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Physical hazards

Potassium persulfate

Oxidizing solids

Health hazards

Acute oral toxicity Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation Respiratory Sensitization Skin Sensitization Specific target organ toxicity - (single exposure)

Environmental hazards Based on available data, the classification criteria are not met

Full text of Hazard Statements: see section 16

2.2. Label elements



Signal Word

Danger

Hazard Statements

- H272 May intensify fire; oxidizer
- H302 Harmful if swallowed
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H319 Causes serious eve irritation
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 May cause respiratory irritation

Precautionary Statements

P220 - Keep away from clothing and other combustible materials

- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water
- 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

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

2.3. Other hazards

In accordance with Annex XIII of the REACH Regulation, inorganic substances do not require assessment

Toxic to terrestrial vertebrates

This product does not contain any known or suspected endocrine disruptors

Category 3 (H272)

Category 4 (H302) Category 2 (H315) Category 2 (H319) Category 1 (H334) Category 1 (H317) Category 3 (H335)

Potassium persulfate

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

| Component | CAS No | EC No | Weight % | CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567 |
|----------------------|-----------|-------------------|----------|--|
| Potassium persulfate | 7727-21-1 | EEC No. 231-781-8 | <=100 | Ox. Sol. 3 (H272) Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) STOT SE 3 (H335) |

Full text of Hazard Statements: see section 16

4.1. Description of first aid measures

SECTION 4: FIRST AID MEASURES

| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention. | | | |
|---|---|--|--|--|
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention. | | | |
| Ingestion | Do NOT induce vomiting. Call a physician or poison control center immediately. | | | |
| Inhalation | Remove to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention. | | | |
| Self-Protection of the First Aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. | | | |
| 4.2. Most important symptoms and | effects, both acute and delayed | | | |
| | May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing | | | |
| 4.3. Indication of any immediate medical attention and special treatment needed | | | | |
| Notes to Physician | Treat symptomatically. | | | |
| SECTION 5: FIREFIGHTING MEASURES | | | | |

5.1. Extinguishing media

Suitable Extinguishing Media

CO₂, dry chemical, dry sand, alcohol-resistant foam.

Potassium persulfate

Extinguishing media which must not be used for safety reasons No information available.

5.2. Special hazards arising from the substance or mixture

Oxidizer: Contact with combustible/organic material may cause fire. May ignite combustibles (wood paper, oil, clothing, etc.).

Hazardous Combustion Products

Sulfur oxides, Potassium oxides.

5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

6.2. Environmental precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Keep away from clothing and other combustible materials. Avoid dust formation.

6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Use only under a chemical fume hood. Wear personal protective equipment/face protection. Keep away from clothing and other combustible materials. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation. Wash hands before breaks and immediately after handling the product.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store near combustible materials.

Technical Rules for Hazardous Substances (TRGS) 510 Class 5.1B **Storage Class (LGK) (Germany)**

7.3. Specific end use(s)

Use in laboratories

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

List source(s): **IRE -** 2021 Code of Practice for the Chemical Agents Regulations, Schedule 1. Published by the Health and Safety Authority

| Component | The United Kingdom | European Union | Ireland |
|----------------------|--------------------|----------------|------------------------------------|
| Potassium persulfate | | | TWA: 0.1 mg/m ³ 8 hr. |
| | | | STEL: 0.3 mg/m ³ 15 min |

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL) / Derived Minimum Effect Level (DMEL)

See table for values

| Component | Acute effects local (Dermal) | Acute effects systemic (Dermal) | Chronic effects local (Dermal) | Chronic effects systemic (Dermal) |
|---|---------------------------------|------------------------------------|-----------------------------------|-----------------------------------|
| Potassium persulfate 7727-21-1 (<=100) | DNEL = 2.248mg/cm2 | DNEL = 400mg/kg bw/day | DNEL = 0.102mg/cm2 | DNEL = 18.2mg/kg bw/day |

| Component | Acute effects local (Inhalation) | Acute effects systemic (Inhalation) | Chronic effects local (Inhalation) | Chronic effects systemic (Inhalation) |
|---|-------------------------------------|-------------------------------------|---------------------------------------|---------------------------------------|
| Potassium persulfate 7727-21-1 (<=100) | | DNEL = 590mg/m ³ | DNEL = 2.06mg/m ³ | DNEL = 2.06mg/m ³ |

Predicted No Effect Concentration (PNEC)

See values below.

| Component | Fresh water | Fresh water | Water Intermittent | Microorganisms in | Soil (Agriculture) |
|----------------------|-------------|-------------|--------------------|-------------------|--------------------|
| | | sediment | | sewage treatment | |
| Potassium persulfate | PNEC = | PNEC = | PNEC = 0.763mg/L | PNEC = 3.6mg/L | PNEC = |
| 7727-21-1(<=100) | 0.0763mg/L | 0.275mg/kg | - | | 0.015mg/kg soil dw |
| | | sediment dw | | | |

| Component | Marine water | Marine water sediment | Marine water intermittent | Food chain | Air |
|----------------------|------------------|--------------------------|------------------------------|------------|-----|
| Potassium persulfate | PNEC = 0.011mg/L | PNEC = | | | |
| 7727-21-1 (<=100) | - | 0.0396mg/kg | | | |
| | | sediment dw | | | |

8.2. Exposure controls

Engineering Measures

Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

| Eye Protection | quipment Goggles | (European standard | d - EN 166) | |
|---|---|--|---|---|
| Hand Protection | Protectiv | ve gloves | | |
| Glove material Natural rubber Nitrile rubber Neoprene PVC | Breakthrough time See manufacturers recommendations | Glove thickness - | EU standard EN 374 | Glove comments (minimum requirement) |
| Skin and body pro | tection Wear ap | propriate protective | gloves and clothing to p | prevent skin exposure. |
| Ensure gloves are suita | supplier for information) ble for the task: Chemic | al compatability, Dex | terity. Operational cond | ditione Llear succeptibility a g |
| of cuts, abrasion. | so take into consideration re avoiding skin contami | n the specific local co | | ne product is used, such as the dange |
| of cuts, abrasion. | re avoiding skin contami ction When w appropri To prote | n the specific local co nation. orkers are facing con ate certified respirato | nditions under which the ncentrations above the ors. | |
| of cuts, abrasion. Remove gloves with ca | re avoiding skin contami ction When w appropri To prote and mai cy use Use a N are exce | n the specific local co nation. orkers are facing con ate certified respirato ct the wearer, respira ntained properly IOSH/MSHA or Euro seded or if irritation of | nditions under which the acentrations above the ors. atory protective equipm | ne product is used, such as the dange exposure limit they must use ent must be the correct fit and be use approved respirator if exposure limits |

Environmental exposure controls No information available.

Potassium persulfate

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| Physical State | Solid | |
|---|---|--|
| Appearance Odor Odor Threshold Melting Point/Range Softening Point Boiling Point/Range Flammability (liquid) Flammability (solid,gas) Explosion Limits | White Odorless No data available 100 °C / 212 °F No data available No information available Not applicable No information available No data available | Solid |
| Flash Point Autoignition Temperature Decomposition Temperature pH Viscosity Water Solubility Solubility in other solvents Partition Coefficient (n-octanol/water | No information available No data available 100 °C 4-5 Not applicable 5g/100ml (20°C) No information available er) | Method - No information available 50 g/l aq.sol Solid |

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Molecular Formula

Oxidizing Properties

Molecular Weight

Evaporation Rate

| Vapor Pressure | No information available |
|----------------------------|--------------------------|
| Density / Specific Gravity | No data available |
| Bulk Density | No data available |
| Vapor Density | Not applicable |
| Particle characteristics | No data available |
| 9.2. Other information | |

K2 O8 S2

Oxidizer

Not applicable - Solid

270.3

Solid

SECTION 10: STABILITY AND REACTIVITY

| 10.1. Reactivity | None known, based on information available |
|---|---|
| 10.2. Chemical stability | Oxidizer: Contact with combustible/organic material may cause fire. Hygroscopic. |
| 10.3. Possibility of hazardous re | actions |
| Hazardous Polymerization Hazardous Reactions | Hazardous polymerization does not occur. None under normal processing. |
| 10.4. Conditions to avoid | Incompatible products. Excess heat. Combustible material. Avoid dust formation. Exposure to moist air or water. |
| 10.5. Incompatible materials | Strong oxidizing agents. Strong reducing agents. Strong bases. Alcohols. Organic materials. Finely powdered metals. Combustible material. |
| | |

10.6. Hazardous decomposition products

Sulfur oxides. Potassium oxides.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Product Information

(a) acute toxicity;

Oral Dermal Inhalation Category 4 Based on available data, the classification criteria are not met Based on available data, the classification criteria are not met

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation | | |
|----------------------|-----------------|------------------------|---------------------------|--|--|
| Potassium persulfate | 802 mg/kg (Rat) | > 10000 mg/kg (Rabbit) | LC50 > 42.9 mg/L (Rat)1 h | | |

(b) skin corrosion/irritation; Category 2

| (c) serious eye damage/irritation; | Category 2 |
|---|--|
| | |
| (d) respiratory or skin sensitization; Respiratory Skin | Category 1 Category 1 |
| | May cause sensitization by skin contact |
| (e) germ cell mutagenicity; | Based on available data, the classification criteria are not met |
| (f) carcinogenicity; | Based on available data, the classification criteria are not met |
| | There are no known carcinogenic chemicals in this product |
| | |
| (g) reproductive toxicity; | Based on available data, the classification criteria are not met |
| (h) STOT-single exposure; | Category 3 |
| Results / Target organs | Respiratory system. |
| (i) STOT-repeated exposure; | Based on available data, the classification criteria are not met |
| Target Organs | None known. |
| (j) aspiration hazard; | Not applicable Solid |
| Other Adverse Effects | The toxicological properties have not been fully investigated. |
| Symptoms / effects,both acute and delayed | Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing. |
| 11.2. Information on other hazards | |

11.2. Information on other hazards

Endocrine Disrupting Properties Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity Ecotoxicity effects

Potassium persulfate

Do not empty into drains.

| Component | Freshwater Fish | Water Flea | Freshwater Algae |
|----------------------|--------------------|-----------------------------|------------------|
| Potassium persulfate | LC50: 100 mg/L/96h | EC50: 357 mg/L/24H (Daphnia | |
| | (P.reticulata) | magna) | |

12.2. Persistence and degradability

- PersistenceSoluble in water, Persistence is unlikely, based on information available.DegradabilityNot relevant for inorganic substances.
- 12.3. Bioaccumulative potential Bioaccumulation is unlikely

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| <u>12.4. Mobility in soil</u> | The product is water soluble, and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils | | | | |
|---|--|--|--|--|--|
| <u>12.5. Results of PBT and vPvB</u> assessment | In accordance with Annex XIII of the REACH Regulation, inorganic substances do not require assessment. | | | | |
| <u>12.6. Endocrine disrupting</u> properties Endocrine Disruptor Information | This product does not contain any known or suspected endocrine disruptors | | | | |
| <u>12.7. Other adverse effects</u> Persistent Organic Pollutant Ozone Depletion Potential | This product does not contain any known or suspected substance This product does not contain any known or suspected substance | | | | |
| SE | ECTION 13: DISPOSAL CONSIDERATIONS | | | | |
| 13.1. Waste treatment methods | | | | | |
| Waste from Residues/Unused Products | Waste is classified as hazardous. Dispose of in accordance with federal, state and local regulations. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations. | | | | |
| Contaminated Packaging | Do not reuse empty containers. Dispose of in accordance with local regulations. Dispose this container to hazardous or special waste collection point. | | | | |

European Waste Catalogue (EWC) According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

| Other Information | Waste codes should be assigned by the user based on the application for which the product |
|-------------------|---|
| | was used. Do not empty into drains. |

SECTION 14: TRANSPORT INFORMATION

IMDG/IMO

Potassium persulfate

| 14.1. UN number 14.2. UN proper shipping name 14.3. Transport hazard class(es) 14.4. Packing group | UN1492 POTASSIUM PERSULFATE 5.1 III |
|--|---|
| ADR <u>14.1. UN number</u> <u>14.2. UN proper shipping name</u> <u>14.3. Transport hazard class(es)</u> <u>14.4. Packing group</u> | UN1492 POTASSIUM PERSULPHATE 5.1 III |
| IATA 14.1. UN number 14.2. UN proper shipping name 14.3. Transport hazard class(es) | UN1492 POTASSIUM PERSULFATE 5.1 |

Potassium persulfate

14.4. Packing group

14.5. Environmental hazards No hazards identified

14.6. Special precautions for user No special precautions required.

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14.7. Maritime transport in bulk according to IMO instruments

Not applicable, packaged goods

SECTION 15: REGULATORY INFORMATION

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

International Inventories

Europe (EINECS/ELINCS/NLP), China (IECSC), Taiwan (TCSI), Korea (KECL), Japan (ENCS), Japan (ISHL), Canada (DSL/NDSL), Australia (AICS), New Zealand (NZIoC), Philippines (PICCS). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

| Component | CAS No | EINECS | ELINCS | NLP | IECSC | TCSI | KECL | ENCS | ISHL |
|----------------------|-----------|-----------|--------|-----|-------|------|----------|------|------|
| Potassium persulfate | 7727-21-1 | 231-781-8 | - | - | Х | Х | KE-12177 | Х | Х |

| Component | CAS No | TSCA | TSCA Inventory notification - Active-Inactive | DSL | NDSL | AICS | NZIoC | PICCS |
|----------------------|-----------|------|---|-----|------|------|-------|-------|
| Potassium persulfate | 7727-21-1 | Х | ACTIVE | Х | - | Х | Х | Х |

Legend: X - Listed '-' - Not Listed

KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)

Authorisation/Restrictions according to EU REACH

| Component | CAS No | REACH (1907/2006) - Annex XIV - Substances Subject to Authorization | | REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC) |
|---------------------|-------------|---|--|---|
| Potassium persulfat | e 7727-21-1 | - | Use restricted. See item 75. (see link for restriction details) | - |

REACH links

https://echa.europa.eu/substances-restricted-under-reach

Seveso III Directive (2012/18/EC)

| Component | CAS No | Seveso III Directive (2012/18/EC) - | | |
|----------------------|-----------|--|---|--|
| | | Qualifying Quantities for Major Accident Notification | Qualifying Quantities for Safety Report Requirements | |
| Potassium persulfate | 7727-21-1 | Not applicable | Not applicable | |

Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals

Not applicable

Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at

Potassium persulfate

work .

National Regulations

UK - Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment

WGK Classification

See table for values

| Component | Germany - Water Classification (AwSV) | Germany - TA-Luft Class |
|----------------------|---------------------------------------|-------------------------|
| Potassium persulfate | WGK1 | |

| Component | France - INRS (Tables of occupational diseases) | |
|----------------------|--|--|
| Potassium persulfate | Tableaux des maladies professionnelles (TMP) - RG 65,RG 66 | |

15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H272 - May intensify fire; oxidizer

H302 - Harmful if swallowed

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

Legend

CAS - Chemical Abstracts Service

EINECS/ELINCS - European Inventory of Existing Commercial Chemical DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances/EU List of Notified Chemical Substances **PICCS** - Philippines Inventory of Chemicals and Chemical Substances IECSC - Chinese Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances

WEL - Workplace Exposure Limit ACGIH - American Conference of Governmental Industrial Hygienists **DNEL** - Derived No Effect Level

RPE - Respiratory Protective Equipment

LC50 - Lethal Concentration 50%

NOEC - No Observed Effect Concentration

PBT - Persistent, Bioaccumulative, Toxic

ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road IMO/IMDG - International Maritime Organization/International Maritime **Dangerous Goods Code** OECD - Organisation for Economic Co-operation and Development BCF - Bioconcentration factor Key literature references and sources for data

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

Substances List

ENCS - Japanese Existing and New Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIOC - New Zealand Inventory of Chemicals

TWA - Time Weighted Average IARC - International Agency for Research on Cancer Predicted No Effect Concentration (PNEC) LD50 - Lethal Dose 50% EC50 - Effective Concentration 50% POW - Partition coefficient Octanol:Water vPvB - very Persistent, very Bioaccumulative

ICAO/IATA - International Civil Aviation Organization/International Air Transport Association MARPOL - International Convention for the Prevention of Pollution from Ships ATE - Acute Toxicity Estimate

VOC - (Volatile Organic Compound)

https://echa.europa.eu/information-on-chemicals Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

Training Advice

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

| Creation Date | 26-Jan-2010 |
|------------------|-----------------|
| Revision Date | 20-Oct-2023 |
| Revision Summary | Not applicable. |

This safety data sheet complies with Regulation UK SI 2019/758 and UK SI 2020/1577 as amended.

. Disclaimer

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

End of Safety Data Sheet