

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

Creation Date 30-Jun-2009

Revision Date 13-Oct-2023

Revision Number 12

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

| 1.1. Product identifier | |
|--|---|
| Product Description: Cat No. : REACH registration number | <u>Nitric acid, 60% solution in water</u> 444400000; 444400050 - |
| Unique Formula Identifier (UFI) | DSQY-22W5-7X0A-EJD3 |
| 1.2. Relevant identified uses of the | substance or mixture and uses advised against |
| Recommended Use Uses advised against | Laboratory chemicals. No Information available |
| 1.3. Details of the supplier of the sa | ifety data sheet |
| Company | 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 | For information US call: 001-800-227-6701 / Europe call: +32 14 57 52 11 Emergency Number US: 001-201-796-7100 / Europe: +32 14 57 52 99 CHEMTREC Tel. No. US: 001-800-424-9300 / Europe: 001-703-527-3887 |
| Poison Centre - Emergency information services | Ireland : National Poisons Information Centre (NPIC) - 01 809 2166 (8am-10pm, 7 days a week) Malta : +356 2395 2000 Cyprus : +357 2240 5611 |

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

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Substances/mixtures corrosive to metal

Health hazards

Acute Inhalation Toxicity - Vapors Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation

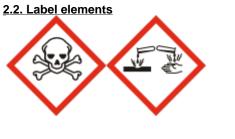
Environmental hazards

Based on available data, the classification criteria are not met

Category 1 (H290)

Category 3 (H331) Category 1 A (H314) Category 1 (H318)

Full text of Hazard Statements: see section 16



Signal Word

Danger

Hazard Statements

H290 - May be corrosive to metals H314 - Causes severe skin burns and eye damage H331 - Toxic if inhaled EUH071 - Corrosive to the respiratory tract

Precautionary Statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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

P310 - Immediately call a POISON CENTER or doctor/physician

2.3. Other hazards

This product does not contain any known or suspected endocrine disruptors

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

| Component | CAS No | EC No | Weight % | CLP Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567 |
|---------------------------|-----------|-----------|----------|---|
| Nitric acid …% [C ≤ 70 %] | 7697-37-2 | 231-714-2 | 26.5-64 | Ox. Liq. 3 (H272) Met. Corr. 1 (H290) Acute Tox. 3 (H331) Skin Corr. 1A (H314) |

ACR44440

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| | | | | Eye Dam. 1 (H318) (EUH071) |
|-------|-----------|-----------|---------|-------------------------------|
| Water | 7732-18-5 | 231-791-2 | 36-73.5 | - |

| Component | Specific concentration limits (SCL's) | M-Factor | Component notes |
|---------------------------|---|----------|-----------------|
| Nitric acid …% [C ≤ 70 %] | Ox. Liq. 2 :: C>=99% Ox. Liq. 3 :: 65%<=C<99% Acute Tox. 1 (inhal) :: C>=70% Acute Tox. 3 (inhal) :: 70%>C>=26.5% Acute Tox. 4 (inhal) :: 26.5%>C>=13.25% Skin Corr. 1A :: C>=20% Skin Corr. 1B :: 5%<=C<20% Met. Corr. 1 :: C>=2% EUH071 :: C>=20% | - | - |

| Component | ECHA (RAC) ATE (Oral) | ECHA (RAC) ATE (Dermal) | ECHA (RAC) ATE (Inhalation) |
|---|---------------------------------|-------------------------|-----------------------------|
| Nitric acid …% [C ≤ 70 %] | - | - | ATE = 2.65 mg/L (vapours) |
| ECHA (RAC) - Committee for Risk Assessm | ent - European CHemicals Agency | / | |

ATE - Acute Toxiciy Estimate

| REACH registration number | | | - |
|---------------------------|----------|--------------------|---|
| Components | Reach Re | egistration Number | |
| Nitric acid | 01-2 | 119487297-23 | |

Full text of Hazard Statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

| General Advice | Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. | |
|--|--|--|
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required. | |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Call a physician immediately. | |
| Ingestion | Do NOT induce vomiting. Clean mouth with water. Never give anything by mouth to an unconscious person. Call a physician immediately. | |
| Inhalation | If not breathing, give artificial respiration. Remove from exposure, lie down. 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. Call a physician immediately. | |
| 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 | | |
| | None reasonably foreseeable. Causes burns by all exposure routes. Product is a corresive | |

None reasonably foreseeable. Causes burns by all exposure routes. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation

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.

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

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors. The product causes burns of eyes, skin and mucous membranes.

Hazardous Combustion Products

Nitrogen oxides (NOx).

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. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2. Environmental precautions

Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Wear self-contained breathing apparatus and protective suit.

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

Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not breathe mist/vapors/spray. Do not ingest. If swallowed then seek immediate medical assistance.

Hygiene Measures

When using do not eat, drink or smoke. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

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Provide regular cleaning of equipment, work area and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives area. Do not store in metal containers.

Technical Rules for Hazardous Substances (TRGS) 510 Class 6.1D 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): **EU** - Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC **UK** - EH40/2005 Work Exposure Limits, Fourth edition. Published 2020. **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 |
|---------------------------|------------------------------------|-------------------------------------|------------------------------------|
| Nitric acid …% [C ≤ 70 %] | STEL: 1 ppm 15 min | STEL: 1 ppm (15min) | STEL: 1 ppm 15 min |
| | STEL: 2.6 mg/m ³ 15 min | STEL: 2.6 mg/m ³ (15min) | STEL: 2.6 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)

No information available

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls

Engineering Measures

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

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

| Personal protective equipment Eye Protection | Goggles (European standard - EN 166) |
|---|--------------------------------------|
| Hand Protection | Protective gloves |

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| Glove material | Breakthrough time | Glove thickness | EU standard | Glove comments |
|---------------------------|-----------------------|-------------------------|---------------------|--|
| Butyl rubber | > 480 minutes | 0.45 mm | EN 374 | As tested under EN374-3 Determination of |
| Neoprene gloves | > 480 minutes | 0.56 mm | Level 6 | Resistance to Permeation by Chemicals |
| Viton (R) | > 480 minutes | 0.7 mm | 201010 | |
| Skin and body prote | | eved clothing. | | |
| Inspect gloves before use | 9. | | | |
| | | eability and breakthro | ough time which a | re provided by the supplier of the gloves. |
| (Refer to manufacturer/su | | al compotability. Day | tarity Operational | conditional loor quagantibility or a |
| | | | | conditions, User susceptibility, e.g. ich the product is used, such as the danger |
| of cuts, abrasion. | | | | ich the product is used, such as the danger |
| Remove gloves with care | avoiding skin contami | nation. | | |
| | | | | |
| Respiratory Protect | ion When w | orkers are facing cor | centrations above | e the exposure limit they must use |
| | | ate certified respirate | | |
| | • | • | atory protective eq | uipment must be the correct fit and be used |
| | and mai | ntained properly | | |
| Large scale/emergency | | | | 136 approved respirator if exposure limits |
| | | eded or if irritation o | | |
| | | | | conforming to EN 143 Acid gases filter Type |
| | E Yellow | conforming to EN14 | 1387 | |
| Small scale/Laboratory | | | | 149:2001 approved respirator if exposure |
| | | | | toms are experienced. |
| | Recomr 141 | nended half mask:- | Valve filtering: El | N405; or; Half mask: EN140; plus filter, EN |
| | | PE is used a face pie | ece Fit Test should | be conducted |
| Environmental exposur | e controls Prevent | product from enterin | a drains. | |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| Physical State | Liquid | |
|---|--|-----------------------------------|
| Appearance Odor Odor Threshold Melting Point/Range Softening Point Boiling Point/Range Flammability (liquid) Flammability (solid,gas) Explosion Limits | No information available No data available -42 °C / -43.6 °F No data available 122 °C / 251.6 °F No data available Not applicable No data available | Liquid |
| Flash Point Autoignition Temperature Decomposition Temperature pH Viscosity Water Solubility Solubility in other solvents Partition Coefficient (n-octanol/water Component Nitric acid% [C ≤ 70 %] | No information available No data available No data available < 1 No data available Miscible No information available er) Iog Pow -2.3 | Method - No information available |

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Vapor Pressure Density / Specific Gravity Bulk Density Vapor Density **Particle characteristics**

0.94 kPa @ 20 °C 1.33 Not applicable No data available Not applicable (liquid)

Liquid (Air = 1.0)

9.2. Other information

10.1. Reactivity

SECTION 10: STABILITY AND REACTIVITY

| 10.1. Reactivity | None known, based on information available |
|---|--|
| 10.2. Chemical stability | Stable under normal conditions. |
| 10.3. Possibility of hazardous react | ions |
| Hazardous Polymerization Hazardous Reactions | Hazardous polymerization does not occur. None under normal processing. |
| 10.4. Conditions to avoid | Incompatible products. Combustible material. Excess heat. |
| 10.5. Incompatible materials | Strong bases. Reducing Agent. Organic materials. Aldehydes. Alcohols. Cyanides. Metals. Finely powdered metals. Ammonia. |

10.6. Hazardous decomposition products

Nitrogen oxides (NOx).

SECTION 11: TOXICOLOGICAL INFORMATION

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

Product Information

(a) acute toxicity; Oral

Inhalation

Dermal

Based on available data, the classification criteria are not met No data available Category 3 ATE = 4.2 mg/l

Toxicology data for the components

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------|-----------|-------------|---------------------------|
| Nitric acid …% [C ≤ 70 %] | - | - | LC50 = 2500 ppm. (Rat) 1h |
| Water | - | - | - |

| Component | ECHA (RAC) ATE (Oral) | ECHA (RAC) ATE (Dermal) | ECHA (RAC) ATE (Inhalation) |
|--|--------------------------------|-------------------------|-----------------------------|
| Nitric acid …% [C ≤ 70 %] | - | - | ATE = 2.65 mg/L (vapours) |
| CLUA (DAC) Committee for Diele Assessm | ant European Cillemiaale Agene | | |

ECHA (RAC) - Committee for Risk Assessment - European CHemicals Agency ATE - Acute Toxiciy Estimate

(b) skin corrosion/irritation; Category 1 B

| (c) serious eye damage/irritation; | Category 1 |
|--|---|
| (d) respiratory or skin sensitization Respiratory Skin | No data available No data available |
| (e) germ cell mutagenicity; | No data available |
| (f) carcinogenicity; | No data available There are no known carcinogenic chemicals in this product |
| (g) reproductive toxicity; | No data available |
| (h) STOT-single exposure; | No data available |
| (i) STOT-repeated exposure; | No data available |
| Target Organs | No information available. |
| (j) aspiration hazard; | Based on available data, the classification criteria are not met |
| Symptoms / effects,both acute and delayed | Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation. |

11.2. Information on other hazards

Nitric acid, 60% solution in water

s 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 | |

The product contains following substances which are hazardous for the environment. Contains a substance which is:. Harmful to aquatic organisms.

12.2. Persistence and degradability

| Persistence | Soluble in water, Persistence is unlikely, based on information available, Miscible with |
|---------------------------------------|---|
| Degradation in sewage treatment plant | water. Contains substances known to be hazardous to the environment or not degradable in waste water treatment plants. |

12.3. Bioaccumulative potential

| Component | log Pow | Bioconcentration factor (BCF) |
|---------------------------|---------|-------------------------------|
| Nitric acid …% [C ≤ 70 %] | -2.3 | No data available |

Bioaccumulation is unlikely

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| · · · · · · · · · · · · · · · · · · · | |
|--|--|
| 12.4. Mobility in soil | 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 | No data available for 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 | This product does not contain any known or suspected substance |

Persistent Organic Pollutant Ozone Depletion Potential

Nitric acid, 60% solution in water

This product does not contain any known or suspected substance This product does not contain any known or suspected substance

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

| Waste from Residues/Unused Products | Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations. |
|--|---|
| Contaminated Packaging | Dispose of 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 | Do not flush to sewer. Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains. Large amounts will affect pH and harm aquatic organisms. Solutions with low pH-value must be neutralized before discharge. |

SECTION 14: TRANSPORT INFORMATION

IMDG/IMO

| <u>14.1. UN number</u> 14.2. UN proper shipping name | UN2031 NITRIC ACID |
|---|-----------------------|
| 14.3. Transport hazard class(es) | 8 |
| 14.4. Packing group | II |
| | |

ADR

| 14.1. UN number_ | UN2031 |
|----------------------------------|-------------|
| 14.2. UN proper shipping name | NITRIC ACID |
| 14.3. Transport hazard class(es) | 8 |
| 14.4. Packing group | II |

<u>IATA</u>

| 14.1. UN number | UN2031 |
|----------------------------------|-------------|
| 14.2. UN proper shipping name | NITRIC ACID |
| 14.3. Transport hazard class(es) | 8 |
| 14.4. Packing group | Π |

14.5. Environmental hazards No hazards identified

14.6. Special precautions for user No special precautions required.

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 |
|-------------------------|-----------|-----------|--------|-----|-------|------|----------|------|------|
| Nitric acid% [C ≤ 70 %] | 7697-37-2 | 231-714-2 | - | - | Х | Х | KE-25911 | Х | Х |
| Water | 7732-18-5 | 231-791-2 | - | - | Х | Х | KE-35400 | Х | - |

| Component | CAS No | TSCA | TSCA Inventory notification - Active-Inactive | DSL | NDSL | AICS | NZIoC | PICCS |
|---------------------------|-----------|------|---|-----|------|------|-------|-------|
| Nitric acid …% [C ≤ 70 %] | 7697-37-2 | Х | ACTIVE | Х | - | Х | Х | Х |
| Water | 7732-18-5 | 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) |
|---------------------------|-----------|---|--|---|
| Nitric acid …% [C ≤ 70 %] | 7697-37-2 | - | Use restricted. See item 75. (see link for restriction details) | - |
| Water | 7732-18-5 | - | - | - |

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 | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements |
|-------------------------|-----------|---|--|
| Nitric acid% [C ≤ 70 %] | 7697-37-2 | Not applicable | Not applicable |
| Water | 7732-18-5 | 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 work .

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

National Regulations

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

WGK Classification

Water endangering class = 1 (self classification)

| Component | Germany - Water Classification (AwSV) | Germany - TA-Luft Class |
|---------------------------|---------------------------------------|-------------------------|
| Nitric acid …% [C ≤ 70 %] | WGK1 | |

| Component | Switzerland - Ordinance on the Reduction of Risk from handling of hazardous substances preparation (SR 814.81) | Switzerland - Ordinance on Incentive Taxes on Volatile Organic Compounds (OVOC) | Switzerland - Ordinance of the Rotterdam Convention on the Prior Informed Consent Procedure |
|--|--|---|--|
| Nitric acid …% [C ≤ 70 %] 7697-37-2 (26.5-64) | Prohibited and Restricted Substances | | |

15.2. Chemical safety assessment

Chemical Safety Assessment/Reports (CSA/CSR) are not required for mixtures

SECTION 16: OTHER INFORMATION

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

H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

EUH071 - Corrosive to the respiratory tract

H272 - May intensify fire; oxidizer

H331 - Toxic if inhaled

Legend

| CAS - Chemical Abstracts Service | TSCA - United States Toxic Substances Control Act Section 8(b) Inventory |
|---|--|
| EINECS/ELINCS - European Inventory of Existing Commercial Chemical 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 | TWA - Time Weighted Average |
| ACGIH - American Conference of Governmental Industrial Hygienists | IARC - International Agency for Research on Cancer |
| DNEL - Derived No Effect Level | Predicted No Effect Concentration (PNEC) |
| RPE - Respiratory Protective Equipment | LD50 - Lethal Dose 50% |
| LC50 - Lethal Concentration 50% | EC50 - Effective Concentration 50% |
| NOEC - No Observed Effect Concentration | POW - Partition coefficient Octanol:Water |
| PBT - Persistent, Bioaccumulative, Toxic | vPvB - very Persistent, very Bioaccumulative |

ADR - European Agreement Concerning the International Carriage of
Dangerous Goods by RoadICAO/IATA - Ir
Transport AssoIMO/IMDG - International Maritime Organization/International Maritime
Dangerous Goods CodeMARPOL - International Maritime
ShipsOECD - Organisation for Economic Co-operation and Development
BCF - Bioconcentration factorMARPOL - International Maritime
ShipsKey literature references and sources for data
https://echa.europa.eu/information-on-chemicalsVOC - (VolatileSuppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECSRTECS

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)

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:Physical hazardsOn basis of test dataHealth HazardsCalculation methodEnvironmental hazardsCalculation method

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. Chemical incident response training.

| Creation Date | 30-Jun-2009 |
|------------------|----------------|
| Revision Date | 13-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