

This safety data sheet was created pursuant to the requirements of:  
UK REACH Regulations (SI 2019/758 as amended)

**Supersedes date** 18-Jul-2021

**Revision date** 10-Apr-2024

**Revision Number** 4

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

### 1.1. Product identifier

**Product Code(s)** 48977

**Safety data sheet number** 48977

**Product Name** DOWSIL FA 4004 ID SILICONE ACRYLATE

**Synonyms** DOW CORNING FA 4004 ID SILICONE ACRYLATE

**Pure substance/mixture** Mixture

Contains HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED

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

**Recommended use** Formulation & (re)packing of substances and mixtures. Professional use Consumer use  
Cosmetics Personal care Perfumes, fragrances

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

#### **Supplier**

Univar Solutions UK Ltd  
Aquarius House  
6 Mid Point Business Park  
Bradford  
GBR

For further information, please contact

**E-mail address** SDS.EMEA@univarsolutions.com

**Non-Emergency Telephone Number** +44 1274 267300 / +44 1274 267306

### 1.4. Emergency telephone number

**Emergency Telephone** SGS - +32 (0)3 575 55 55 (24h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

|                          |                     |
|--------------------------|---------------------|
| Flammable liquids        | Category 3 - (H226) |
| Chronic aquatic toxicity | Category 4 - (H413) |

## 2.2. Label elements

Contains HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED



### Signal word

Warning

### Hazard statements

H413 - May cause long lasting harmful effects to aquatic life

H226 - Flammable liquid and vapour

### Precautionary statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P273 - Avoid release to the environment

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P370 + P378 - In case of fire: Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam to extinguish

P403 + P235 - Store in a well-ventilated place. Keep cool

P501 - Dispose of contents/ container to an approved waste disposal plant

### Unknown aquatic toxicity

Contains 0 % of components with unknown hazards to the aquatic environment.

### Additional information

This product requires child resistant fastenings if supplied to the general public. This product requires tactile warnings if supplied to the general public.

## 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name                                                                                   | Weight-%            | EC No (EU Index No) | UK REACH registration number | Classification according to GB CLP (SI 2020/1567 as amended)          | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|-------------------------------------------------------------------------------------------------|---------------------|---------------------|------------------------------|-----------------------------------------------------------------------|------------------------------------|----------|----------------------|
| HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED 93685-81-5 | >= 56.0 - <= 62.0 % | 297-629-8           | -                            | Asp. Tox. 1 (H304)<br>Flam. Liq. 3 (H226)<br>Aquatic Chronic 4 (H413) | -                                  | -        | -                    |

**Full text of H- and EUH-phrases: see section 16**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (UK REACH Article 59)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

|                       |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b> | First aid personnel should wear appropriate protective equipment during any rescue. Use personal protection recommended in Section 8.                                                                                                      |
| <b>Inhalation</b>     | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.                                                                      |
| <b>Eye contact</b>    | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.                                      |
| <b>Skin contact</b>   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if symptoms occur. Ensure that eyewash stations and safety showers are close to the workstation location. |
| <b>Ingestion</b>      | Rinse mouth thoroughly with water. Do NOT induce vomiting. Get medical attention if symptoms occur.                                                                                                                                        |

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

|             |                                  |
|-------------|----------------------------------|
| <b>Eyes</b> | May cause slight eye irritation. |
|-------------|----------------------------------|

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

|                        |                        |
|------------------------|------------------------|
| <b>Note to doctors</b> | Treat symptomatically. |
|------------------------|------------------------|

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

|                                       |                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>   | Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Dry sand. |
| <b>Large Fire</b>                     | CAUTION: Use of water spray when fighting fire may be inefficient.                 |
| <b>Unsuitable extinguishing media</b> | Do not scatter spilled material with high pressure water streams.                  |

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

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards arising from the chemical</b> | When heated and in case of fire, toxic vapours/gases may be formed. Flash back possible over considerable distance. Flammable concentrations of vapor can accumulate at temperatures above flash point; see Section 9. Flammable mixtures may exist within the vapor space of containers at room temperature. Closed containers can burst violently when heated, due to excess pressure build-up. Vapours may form explosive mixtures with air. |
| <b>Hazardous combustion products</b>              | Carbon oxides. Silicon oxides. Formaldehyde.                                                                                                                                                                                                                                                                                                                                                                                                    |

**5.3. Advice for firefighters**

|                                         |                                                                                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Special protective equipment and</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. |
|-----------------------------------------|-------------------------------------------------------------------------------------------------|

precautions for fire-fighters Use personal protection equipment.

## SECTION 6: Accidental release measures

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

**Personal precautions** Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Remove all sources of ignition. Eliminate all sources of ignition in vicinity of spill or released vapor to avoid fire or explosion. Ground and bond container and receiving equipment. Vapours may form explosive mixtures with air. Do not allow run-off from fire-fighting to enter drains or water courses. Follow precautions for safe handling described in this safety data sheet.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use non-sparking tools. Suppress (knock down) gases/vapours/mists with a water spray jet. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling** Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Keep container closed when not in use. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Avoid spilling. Avoid release to the environment. Use non-sparking tools. Handle in accordance with good industrial hygiene and safety practice. Empty containers retain product residue and can be hazardous. Use explosion-proof electrical, ventilating and lighting equipment. Ground and bond container and receiving equipment.

**General hygiene considerations** Wash hands before breaks and immediately after handling the product.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers. Keep away from open flames, hot surfaces and sources of ignition. Store away from the following materials. Strong oxidising agents. Organic peroxide. Flammable solid. Pyrophoric liquids. Pyrophoric solids. Self-heating substances and mixtures. Substances and mixtures, which in contact with water, emit flammable gases. Explosives. Gases.

**7.3. Specific end use(s)****Specific use(s)**

See section 1 for more information.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

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

**Biological occupational exposure limits**

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) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls****Engineering controls**

No information available.

**Personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.

**Hand protection**

Wear suitable gloves. Gloves must conform to standard EN 374.

| Gloves              |                                       |                 |                    |
|---------------------|---------------------------------------|-----------------|--------------------|
| Duration of contact | PPE - Glove material                  | Glove thickness | Break through time |
|                     | Chlorinated polyethylene (CPE)        | > 0.35 mm       | > 120 minutes      |
|                     | Wear protective Neoprene™ gloves      | > 0.35 mm       | > 120 minutes      |
|                     | Wear protective nitrile rubber gloves | > 0.35 mm       | > 120 minutes      |
|                     | Polyethylene (PE)                     | > 0.35 mm       | > 120 minutes      |
|                     | Ethyl vinyl alcohol laminate ("EVAL") | > 0.35 mm       | > 120 minutes      |
|                     | Polyvinyl alcohol (PVA)               | > 0.35 mm       | > 120 minutes      |
|                     | Styrene/butadiene rubber              | > 0.35 mm       | > 120 minutes      |
|                     | Wear protective butyl rubber gloves   | > 0.35 mm       | > 120 minutes      |
|                     | Polyvinyl chloride (PVC)              | > 0.35 mm       | > 120 minutes      |

**Skin and body protection**

Wear appropriate clothing to prevent reasonably probable skin contact. Antistatic footwear.

**Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

## SECTION 9: Physical and chemical properties

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

|                 |                                   |
|-----------------|-----------------------------------|
| Physical state  | Liquid                            |
| Appearance      | Liquid                            |
| Colour          | clear To Slightly hazy Colourless |
| Odour           | Characteristic.                   |
| Odour threshold | No information available          |

| <u>Property</u>                         | <u>Values</u>                                              | <u>Remarks • Method</u>             |
|-----------------------------------------|------------------------------------------------------------|-------------------------------------|
| Melting point / freezing point          |                                                            | Not determined.                     |
| Initial boiling point and boiling range | > 50 °C                                                    | @ 760 mmHg.                         |
| Flammability                            |                                                            | No information available.           |
| Flammability Limit in Air               |                                                            | No information available.           |
| Upper flammability or explosive limits  |                                                            |                                     |
| Lower flammability or explosive limits  |                                                            |                                     |
| Flash point                             | 49.5 °C                                                    | Setaflash closed cup.               |
| Autoignition temperature                | > 100 °C                                                   |                                     |
| Decomposition temperature               |                                                            | No information available.           |
| pH                                      |                                                            | Not applicable. Insoluble in water. |
| pH (as aqueous solution)                |                                                            | No information available.           |
| Kinematic viscosity                     | 90 mm <sup>2</sup> /s                                      | @ 25 °C.                            |
| Dynamic viscosity                       |                                                            | No information available.           |
| Water solubility                        | Insoluble in water                                         |                                     |
| Solubility(ies)                         |                                                            | No information available.           |
| Partition coefficient                   |                                                            | Not determined.                     |
| Vapour pressure                         |                                                            | No information available.           |
| Relative density                        | 0.84                                                       |                                     |
| Bulk density                            |                                                            | No information available            |
| Liquid Density                          | No information available                                   | No information available            |
| Relative vapour density                 |                                                            | No information available.           |
| Particle characteristics                |                                                            | Not applicable.                     |
| Particle Size                           | No information available                                   |                                     |
| Particle Size Distribution              | No information available                                   |                                     |
| Explosive properties                    | Not considered to be explosive.                            |                                     |
| Oxidising properties                    | Does not meet the criteria for classification as oxidising |                                     |

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** No known effects under normal use conditions.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

**Explosion data****Sensitivity to mechanical impact** None.**Sensitivity to static discharge** Yes.**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** The following materials may react with the product: Strong oxidising agents. When heated, vapours/gases hazardous to health may be formed. Temperatures above 150 °C / 300 °F. Formaldehyde. Vapours may form explosive mixtures with air. Flammable liquid and vapour.

**10.4. Conditions to avoid**

**Conditions to avoid** Heat, flames and sparks. Take precautionary measures against static discharges.

**10.5. Incompatible materials**

**Incompatible materials** Strong oxidising agents.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Carbon oxides. Silicon oxides. Formaldehyde.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information**

**Inhalation** Inhalation of vapours in high concentration may cause irritation of respiratory system.

**Eye contact** May cause slight eye irritation.

**Skin contact** May cause slight skin irritation. Redness. Dryness and/or cracking.

**Ingestion** May cause discomfort if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Acute toxicity****Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

> 5000 mg/kg > 2000 mg/kg

**Component Information**

| Chemical name                                                                                 | Oral LD50            | Dermal LD50             | Inhalation LC50         |
|-----------------------------------------------------------------------------------------------|----------------------|-------------------------|-------------------------|
| HYDROCARBONS, C4,<br>1,3-BUTADIENE-FREE,<br>POLYMD., TRIISOBUTYLENE<br>FRACTION, HYDROGENATED | > 2000 mg/kg ( Rat ) | > 5000 mg/kg ( Rabbit ) | > 16.7 mg/L ( Rat ) 4 h |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** May cause slight irritation. Redness. Dryness and/or cracking.

## HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                           |
|--------|---------|----------------|----------------|---------------|-------------------------------------------------------------------|
|        |         |                |                |               | May cause slight irritation<br>Redness<br>Dryness and/or cracking |

**Serious eye damage/eye irritation** May cause slight eye irritation.

## HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

| Method | Species | Exposure route | Effective dose | Exposure time | Results      |
|--------|---------|----------------|----------------|---------------|--------------|
|        |         |                |                |               | non-irritant |

**Respiratory or skin sensitisation** Non-sensitizing.

| Method | Species    | Exposure route | Results               |
|--------|------------|----------------|-----------------------|
|        | Guinea pig | Dermal         | Not a skin sensitiser |

## HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

| Method | Species    | Exposure route | Results               |
|--------|------------|----------------|-----------------------|
|        | Guinea pig | Dermal         | Not a skin sensitiser |

**Germ cell mutagenicity** No information available.

## Component Information

## HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

| Method | Species  | Results                                                       |
|--------|----------|---------------------------------------------------------------|
|        | in vitro | Negative                                                      |
|        |          | Negative Did not show mutagenic effects in animal experiments |

**Carcinogenicity** No information available.

## Component Information

## HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

| Method | Species | Results                                     |
|--------|---------|---------------------------------------------|
|        |         | Did not cause cancer in laboratory animals. |

**Reproductive toxicity** No information available.

## HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

| Method | Species | Results                                                                   |
|--------|---------|---------------------------------------------------------------------------|
|        |         | This product does not contain any known or suspected reproductive hazards |

**STOT - single exposure** No information available.

## HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                             |
|--------|---------|----------------|----------------|---------------|---------------------------------------------------------------------|
|        |         |                |                |               | Based on available data, a STOT-RE classification is not warranted. |

**STOT - repeated exposure** No information available.

## HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                                                                                                  |
|--------|---------|----------------|----------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------|
|        |         |                |                |               | Based on available data, specific target organ toxicity is not expected after single oral, single inhalation, or single dermal exposure. |

**Aspiration hazard** May be fatal if swallowed and enters airways. Based on available data the classification criteria are not met.

**Other adverse effects** No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity** May cause long lasting harmful effects to aquatic life.

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

## HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

| Method                                                    | Species                             | Endpoint type | Effective dose | Exposure time | Results |
|-----------------------------------------------------------|-------------------------------------|---------------|----------------|---------------|---------|
| OECD Test No. 203: Fish, Acute Toxicity Test              | Oncorhynchus mykiss (rainbow trout) | LL50          | > 1000 mg/L    | 96 hours      |         |
| OECD Test No. 203: Fish, Acute Toxicity Test              | Brachydanio rerio                   | LC0           | > 2.8 mg/L     | 96 hours      |         |
| OECD Test No. 203: Fish, Acute Toxicity Test              | Oncorhynchus mykiss (rainbow trout) | LC0           | > 1.2 mg/L     | 96 hours      |         |
| OECD Test No. 203: Fish, Acute Toxicity Test              | Pimephales promelas                 | LC0           | > 1.7 mg/L     | 96 hours      |         |
| OECD Test No. 202: Daphnia sp., Acute Immobilisation Test | Daphnia magna                       | EC50          | > 1.3 mg/L     | 48 hours      |         |
| OECD Test No. 202: Daphnia sp., Acute Immobilisation Test | Mysidopsis bahia                    | LL50          | > 81000 mg/L   | 96 hours      |         |
| OECD Test No. 202: Daphnia sp., Acute Immobilisation Test | Daphnia magna                       | LL50          | > 1000 mg/L    | 48 hours      |         |
| OECD Test No. 202: Daphnia sp., Acute Immobilisation Test | Mysidopsis bahia                    | LL50          | > 84667 mg/L   | 96 hours      |         |
| OECD Test No. 201: Freshwater Algae and                   | Algae                               | ErC50         | > 1000 mg/L    | 72 hours      |         |

|                                                                               |                    |      |             |          |  |
|-------------------------------------------------------------------------------|--------------------|------|-------------|----------|--|
| Cyanobacteria, Growth Inhibition Test                                         |                    |      |             |          |  |
| OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test | Algae              | NOEC | 0.0225 mg/L | 72 hours |  |
|                                                                               | Pseudomonas putida |      | > 2 mg/L    | 5 hours  |  |
| Chronic aquatic toxicity                                                      | Daphnia magna      | NOEC | 1 mg/L      | 21 days  |  |
| Chronic aquatic toxicity                                                      | Daphnia magna      | EC50 | > 1 mg/L    | 21 days  |  |
| Chronic aquatic toxicity                                                      | Daphnia magna      | NOEC | 0.025 mg/L  | 21 days  |  |

**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED (93685-81-5)

| Method                                                                              | Exposure time | Value              | Results                   |
|-------------------------------------------------------------------------------------|---------------|--------------------|---------------------------|
| OECD Test No. 301F: Ready Biodegradability: Manometric Respirometry Test (TG 301 F) | 28 days       | Biodegradation 31% | Not readily biodegradable |

**12.3. Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

**Component Information**

| Chemical name                                                                        | Partition coefficient |
|--------------------------------------------------------------------------------------|-----------------------|
| HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED | 6.96                  |

**12.4. Mobility in soil**

**Mobility in soil** Insoluble.

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

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

| Chemical name                                                                        | PBT and vPvB assessment         |
|--------------------------------------------------------------------------------------|---------------------------------|
| HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED | The substance is not PBT / vPvB |

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**SECTION 14: Transport information****IATA**

|                                          |                                                                                                                 |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>14.1 UN number or ID number</b>       | UN1993                                                                                                          |
| <b>14.2 UN proper shipping name</b>      | FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED) |
| <b>14.3 Transport hazard class(es)</b>   | 3                                                                                                               |
| <b>14.4 Packing group</b>                | III                                                                                                             |
| <b>14.5 Environmental hazards</b>        | No                                                                                                              |
| <b>14.6 Special precautions for user</b> |                                                                                                                 |
| Special Provisions                       | A3                                                                                                              |
| ERG Code                                 | 3L                                                                                                              |

**IMDG**

|                                                                     |                                                                                                                 |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>14.1 UN number or ID number</b>                                  | UN1993                                                                                                          |
| <b>UN proper shipping name</b>                                      | FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED) |
| <b>14.3 Transport hazard class(es)</b>                              | 3                                                                                                               |
| <b>14.4 Packing group</b>                                           | III                                                                                                             |
| <b>14.5 Environmental hazards</b>                                   | No                                                                                                              |
| <b>14.6 Special precautions for user</b>                            |                                                                                                                 |
| Special Provisions                                                  | 223, 274, 955                                                                                                   |
| EmS-No                                                              | F-E, S-E                                                                                                        |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | No information available                                                                                        |

**RID**

|                                          |                                                                                                                 |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>14.1 UN number or ID number</b>       | UN1993                                                                                                          |
| <b>14.2 UN proper shipping name</b>      | FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED) |
| <b>14.3 Transport hazard class(es)</b>   | 3                                                                                                               |
| <b>14.4 Packing group</b>                | III                                                                                                             |
| <b>14.5 Environmental hazards</b>        | No                                                                                                              |
| <b>14.6 Special precautions for user</b> |                                                                                                                 |
| Special Provisions                       | 274, 601                                                                                                        |
| Classification code                      | F1                                                                                                              |

**ADR**

|                                          |                                                                                                                 |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>14.1 UN number or ID number</b>       | UN1993                                                                                                          |
| <b>14.2 UN proper shipping name</b>      | FLAMMABLE LIQUID, N.O.S. (HYDROCARBONS, C4, 1,3-BUTADIENE-FREE, POLYMD., TRIISOBUTYLENE FRACTION, HYDROGENATED) |
| <b>14.3 Transport hazard class(es)</b>   | 3                                                                                                               |
| <b>14.4 Packing group</b>                | III                                                                                                             |
| <b>14.5 Environmental hazards</b>        | No                                                                                                              |
| <b>14.6 Special precautions for user</b> |                                                                                                                 |
| Special Provisions                       | 274, 601                                                                                                        |
| Classification code                      | F1                                                                                                              |
| Tunnel restriction code                  | (D/E)                                                                                                           |

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Authorisations and/or restrictions on use:**

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

**Persistent Organic Pollutants**

Not applicable

**Export Notification requirements**

Not applicable

**Dangerous substance category per COMAH Regulations 2015 (as amended)**

P5c - FLAMMABLE LIQUIDS

**Named dangerous substances per COMAH Regulations 2015 (as amended)**

Not applicable

**The Ozone-Depleting Substances Regulations 2015**

Not applicable

**The Biocidal Products Regulations 2001 (as amended)**

Not applicable

**The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)**

Not applicable

**Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)**

Not applicable

**International Inventories**

|                      |                                                  |
|----------------------|--------------------------------------------------|
| <b>TSCA</b>          | Contact supplier for inventory compliance status |
| <b>DSL/NDL</b>       | Contact supplier for inventory compliance status |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status |
| <b>ENCS</b>          | Contact supplier for inventory compliance status |
| <b>IECSC</b>         | Contact supplier for inventory compliance status |
| <b>KECI</b>          | Contact supplier for inventory compliance status |
| <b>PICCS</b>         | Contact supplier for inventory compliance status |
| <b>AIIC</b>          | Contact supplier for inventory compliance status |
| <b>NZIoC</b>         | Contact supplier for inventory compliance status |

**Legend:**

|                      |                                                                                                    |
|----------------------|----------------------------------------------------------------------------------------------------|
| <b>TSCA</b>          | - United States Toxic Substances Control Act Section 8(b) Inventory                                |
| <b>DSL/NDL</b>       | - Canadian Domestic Substances List/Non-Domestic Substances List                                   |
| <b>EINECS/ELINCS</b> | - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances |
| <b>ENCS</b>          | - Japan Existing and New Chemical Substances                                                       |
| <b>IECSC</b>         | - China Inventory of Existing Chemical Substances                                                  |
| <b>KECL</b>          | - Korean Existing and Evaluated Chemical Substances                                                |
| <b>PICCS</b>         | - Philippines Inventory of Chemicals and Chemical Substances                                       |
| <b>AIIC</b>          | - Australian Inventory of Industrial Chemicals                                                     |
| <b>NZIoC</b>         | - New Zealand Inventory of Chemicals                                                               |

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

**SECTION 16: Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H413 - May cause long lasting harmful effects to aquatic life

**Legend**

SVHC: Substances of Very High Concern for Authorisation:

**Legend Section 8: Exposure controls/personal protection**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| +       | Sensitisers                 |      |                                  |

Revision Note **SDS sections updated 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**

**Classification procedure**

|                                                                 |                    |
|-----------------------------------------------------------------|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity                                             | Calculation method |
| Acute dermal toxicity                                           | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation                                              | Calculation method |
| Mutagenicity                                                    | Calculation method |
| Carcinogenicity                                                 | Calculation method |
| Reproductive toxicity                                           | Calculation method |
| STOT - single exposure                                          | Calculation method |
| STOT - repeated exposure                                        | Calculation method |
| Acute aquatic toxicity                                          | Calculation method |
| Chronic aquatic toxicity                                        | Calculation method |
| Aspiration hazard                                               | Calculation method |
| Ozone                                                           | Calculation method |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
European Chemicals Agency (ECHA) (ECHA\_API)  
Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

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Revision date

10-Apr-2024

This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)  
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

**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**