

03348-1001

# Daniel Smith Water Soluble Oil Mediums

## SAFETY DATA SHEET (SDS)

**Version:** 01  
**Date of Issue:** March 15, 2023

**According to:** OSHA Hazard Communication Standard 29 CFR 1910.1200(g) Rev. 2012; WHMIS 2015 (Hazardous Products Regulations); Regulation (EC) No 1272/2008; Regulation (EC) No. 1907/2006, Australia Industrial Chemical Notification and Assessment Act (INCA Act), Australian Inventory of Chemical Substances (AICS), Work Health and Safety Act (WHS Act)

### Section 1 – Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

**Product Name:** Daniel Smith Water Soluble Oil Mediums (Water Soluble Modified Linseed Oil, Water Soluble Fast Drying Linseed Oil, Water Soluble Fast Drying Painting Medium, Water Soluble Safflower Oil, Water Soluble Painting Medium)  
**Product sizes:** 2 oz  
**Other Means of Identification**  
**Unique Formula Identifier:** Not required for packaged mixtures. See product label.  
**Reference number:** 284270001  
**Other:** None known  
**Product Description:** Liquid formulations intended to be mixed with oil paints to alter drying times and paint viscosity. The product is intended to be applied with a brush.

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

**Relevant identified use(s):** The product is intended for general (adults) arts and crafts purposes.

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

**Manufacturer/Supplier:** JJC Industries LLC  
 4150 1st Avenue South  
 P.O. Box 84268  
 Seattle, Washington 98134-2302  
 United States  
**EU Contact:** Not available  
**AUS Contact:** Not available  
**Business Phone:** 001 (206) 223 9599  
**Email:** ron.harmon@danielsmith.com  
 John.cogley@danielsmith.com

#### 1.4 Emergency telephone number

**Emergency Telephone:** Chemtrec 1-800-424-9300 (Within Continental U.S.)  
 Chemtrec 703-527-3887 (Outside U.S.).

**Poisons Information Centre:**

+33 (01) 45 42 59 59 [ORFILA (INRS) - France]  
 +46 104566750 Sweden

### Section 2 – Hazard(s) Identification

#### 2.1. Classification of the substance or mixture

**According to:** Globally Harmonized System (GHS) of Classification and Labelling of Chemicals

Physical	Health	Environmental
Pyrophoric liquids - Category 1 (H250) <sup>a</sup>	Eye irritation - Category 2 (H319) <sup>b</sup> Skin irritation - Category 2 (H315) <sup>b</sup>	Not classified

## According to: Regulation (EC) No. 1272/2008 [CLP]

	Physical	Health	Environment
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Pyrophoric liquids - Category 1 (H250) <sup>a</sup>	Eye irritation - Category 2 (H319) <sup>b</sup> Skin irritation - Category 2 (H315) <sup>b</sup>	Not classified
SCL and/or M-factor	N/A	N/A	N/A
Classification Procedure	N/A	N/A	N/A

<sup>a</sup> Pyrophoric liquid classification applies to **all formulations**.

<sup>b</sup> Skin and eye irritation classifications apply only to the formulation, **Water Soluble Fast Drying Linseed Oil**.

## 2.2. Label elements

Label Pictogram:



(All formulations)



(Water Soluble Fast Drying Linseed Oil)

Signal Word: Danger

## Hazard Statement and Precautionary Statements:

All formulations:

Pyrophoric liquids - Category 1 (H250)

Catches fire spontaneously if exposed to air.

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

P222: Do not allow contact with air.

P231: Handle and store contents under inert gas.

P233: Keep container tightly closed.

P280: Wear protective gloves/clothing/eye protection/face protection.

P302+P334: IF ON SKIN: Immerse in cool water or wrap in wet bandages.

P370 + P378: In case of fire: Use dry chemical, carbon dioxide, dry powder, foam, fog or sand to extinguish

Water Soluble Fast Drying Linseed Oil:

Skin irritation - Category 2 (H315)

Eye irritation - Category 2 (H319)

Causes skin irritation. Causes serious eye irritation.

P264 + P265: Wash hands thoroughly after handling. Do not touch eyes.

P280: Wear protective gloves/clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of water and soap.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P317: If eye or skin irritation persists: Get medical help.

P362 + P364: Take off contaminated clothing and wash it before reuse.

**Supplemental Hazard Information:** Oil-soaked rags and other materials may heat and spontaneously ignite if piled in a heap. Store wiping rags and similar materials in metal cans with tight fitting lids. Dispose of as hazardous waste.

## 2.3. Other hazards

- This product is not expected to be persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, in accordance with Annex XIII of Regulation (EC) No. 1272/2008.
- This ingredients in the product at  $\geq 0.1\%$  are not included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, and are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/210056 or Commission Regulation (EU) 2018/605.
- No other hazards have been identified for this product.



### Section 3 – Composition / Information on Ingredients

#### 3.1 Substances

The product is a mixture and not a substance.

#### 3.2 Mixtures

Chemical Name	CAS No.	EC No.	% Weight	GHS Hazards
2-Butoxyethanol	111-76-2	203-905-0	up to 16%	Acute oral toxicity (Category 4) Acute inhalation toxicity (Category 4) Eye irritation (Category 2) Skin irritation (Category 2)
Linseed oil	8001-26-1	232-278-6	up to 77%	Pyrophoric liquids (Category 1)
Safflower oil - linoleic	8001-23-8	232-276-5	up to 75%	Pyrophoric liquids (Category 1)
Alkyd resin	Proprietary	Proprietary	up to 49%	Pyrophoric liquids (Category 1)

The other ingredients in the product are either considered non-hazardous or are below their respective GHS cut-off values/concentration limits in the final product and were therefore not disclosed in the SDS.

	Specific Concentration Limit	Multiplying-Factor	Acute Toxicity Estimate
Daniel Smith Water Soluble Oil Mediums	N/A	N/A	>5000 mg/kg (oral/dermal) >20 mg/L (inhalation)

### Section 4 – First Aid Measures

#### 4.1 Description of first aid measures

**Eye contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Skin contact:** IF ON SKIN: Wash with plenty of water and soap. Immerse in cool water or wrap in wet bandages. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

**Inhalation:** No specific first aid measures are required. Inhalation route of exposure is not anticipated with intended use. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if in doubt.

**Ingestion:** No specific first aid measures are required. Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if in doubt.

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

- Refer to Section 11 - Toxicological Information.

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

- Not required.

### Section 5 – Fire Fighting Measures

#### 5.1 Extinguishing media

**Suitable Extinguishing Media:** In case of fire: Use dry chemical, carbon dioxide, dry powder, foam, fog or sand to extinguish.

**Unsuitable Extinguishing Media:** Do not use direct water stream/jet, may scatter and spread fire.

## 5.2 Special hazards arising from the substance or mixture

### Hazardous combustion products:

- Irritating vapours or fumes may form if product is involved in fire:
- Also see **Section 10 - Stability and Reactivity**.

### Combustion/explosion hazards:

- Oil-soaked rags and other materials may heat and spontaneously ignite if piled in a heap. Store wiping rags and similar materials in metal cans with tight fitting lids. Dispose of as hazardous waste.

## 5.3 Advice for firefighters

- Wear a self-contained breathing apparatus to protect against potentially irritating vapours or fumes.

## Section 6 – Accidental Release Measures

### 6.1 Personal precautions, protective equipment (PPE) and emergency procedures

**Personal Precautions:** Remove all sources of ignition. Ventilate area if spilled in confined space or other poorly ventilated areas. Use non-sparking (non-metallic) tools to clean up spill. Observe PPE advice in **Section 8 – Exposure Controls/Personal Protection**.

**Emergency Procedures:** Not available.

### 6.2 Environmental precautions:

- Prevent entry and contact with soil, drains, sewers, and waterways. Inform relevant local/regional/national/international authorities. Prevent further leakage or spillage if it is safe to do so.

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

**Containment/Clean-up Measures:** Contain spill if safe to do so. Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust). Collect recoverable product and place in a designated container for recycle and/or disposal. Ventilate contaminated area thoroughly. Dispose of contents/container in accordance with local/regional/national/international regulations.

### 6.4 Reference to other sections

- Refer to **Section 8 - Exposure Controls/Personal Protection** and **Section 13 – Disposal Considerations**.

## Section 7– Handling and Storage

### 7.1 Precautions for safe handling

- Handle contents under inert gas.
- Wash hands thoroughly after handling.
- Wash contaminated clothing before reuse.
- Employees should be trained in the safe use and handling of chemical materials.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
- Do not eat, drink or smoke around product.
- Refer to **Section 8 - Exposure Controls/Personal Protection**.

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

- Store contents under inert gas.
- Do not allow contact with air.
- Keep container tightly closed to avoid spills.
- Keep in a cool dry place.

### 7.3 Specific end use(s)

- Refer to **Section 1.2 - Relevant identified uses**.



## Section 8– Exposure Controls / Personal Protection

### 8.1 Control Parameters:

**Occupational exposure limits:** Only vapours were considered to be foreseeable under conditions of normal use. Airborne particles, such as dust and aerosols, are not foreseeable under conditions of normal use.

Chemical Name	CAS No.	ACGIH TLV TWA	OSHA PEL TWA	NIOSH REL TWA	DFG MAK TWA
2-Butoxyethanol	111-76-2	97 mg/m <sup>3</sup>	240 mg/m <sup>3</sup>	24 mg/m <sup>3</sup>	49 mg/m <sup>3</sup>
Xylene	1330-20-7	434 mg/m <sup>3</sup>	435 mg/m <sup>3</sup>	435 mg/m <sup>3</sup>	440 mg/m <sup>3</sup>
Ethylbenzene	100-41-4	87 mg/m <sup>3</sup>	435 mg/m <sup>3</sup>	435 mg/m <sup>3</sup>	88 mg/m <sup>3</sup>

### 8.2 Exposure Controls:

#### Appropriate engineering controls

- No special requirements under ordinary conditions of use and with adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required.

### 8.3 Personal Protective Equipment

Note: Consider the concentration and amount of product at the workplace when selecting PPE. Use protective equipment as required.

**Respiratory:** Under normal conditions of use, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

**Eyes/Face:** If contact is likely, safety glasses with side shields are recommended.

**Hands:** Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur, wear chemically protective gloves.

**Body/Skin:** Gloves, coveralls, apron, boots as necessary to minimize contact. Do not wear rings, watches or similar apparel that could entrap the material.

**Thermal Hazards:** None known.

**Environmental Exposure Controls:** Not available.

**Hygiene measures:** Observe good industrial hygiene practices. Avoid contact with skin. Contaminated work clothing should not be allowed out of the workplace and should be washed before reuse. When using the product do not eat, drink or smoke.

## Section 9 – Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Note: The data below are typical values and do not constitute a specification.

<b>Appearance:</b>			
<b>Physical state:</b>	Liquid	<b>Specific gravity (Water = 1):</b>	1.05
<b>Colour:</b>	Pale Yellow	<b>Partition Coefficient</b>	
<b>Odour/Odour threshold:</b>	Linseed Oil Smell	<b>n-octanol/water:</b>	Not available
<b>Melting/freezing point:</b>	Not available	<b>pH (as supplied):</b>	Not available
<b>Boiling point and boiling range:</b>	>212F or >100C	<b>Solubility:</b>	Soluble in water
<b>Flammability:</b>	None	<b>Kinematic viscosity:</b>	Not available
<b>Upper/lower explosive limits:</b>	None	<b>Vapour pressure:</b>	Not available
<b>Flash point:</b>	None	<b>Density:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available	<b>Relative vapour density</b>	Not available
<b>Decomposition temperature:</b>	Not available	<b>Particle characteristics:</b>	Not applicable
<b>Relative density:</b>	Not available	<b>VOC:</b>	0 grams/litre

**9.2.1 Information with Regard to Physical Hazard Classes**

<b>Explosives</b>	Not available
<b>Flammable gases</b>	Not available
<b>Aerosols</b>	Not available
<b>Oxidising gases</b>	Not available
<b>Gases under pressure</b>	Not available
<b>Flammable liquids</b>	Not flammable
<b>Flammable solids</b>	Not available
<b>Self-reactive substances and mixtures</b>	Not available
<b>Pyrophoric liquids</b>	Category 1
<b>Pyrophoric solids</b>	Not available
<b>Self-heating substances and mixtures</b>	Not available
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Not available
<b>Oxidising liquids</b>	Not available
<b>Oxidizing solids</b>	Not available
<b>Organic peroxides</b>	Not available
<b>Corrosive to metals</b>	Not available
<b>Desensitised explosives</b>	Not available

**9.2.2 Other Safety Characteristics**

<b>Mechanical sensitivity</b>	Not available
<b>Self-accelerating polymerisation temperature</b>	Not available
<b>Formation of explosible dust/air mixtures</b>	Not available
<b>Acid/alkaline reserve; (e) evaporation rate</b>	Not available
<b>Miscibility</b>	Not available
<b>Conductivity</b>	Not available
<b>Corrosiveness</b>	Not available
<b>Gas group</b>	Not available
<b>Redox potential</b>	Not available
<b>Radical formation potential</b>	Not available
<b>Photocatalytic properties</b>	Not available



## Section 10 – Stability and Reactivity

### 10.1 Reactivity

- This material is not considered to be reactive under normal handling and storage conditions.

### 10.2 Chemical stability

- This material is considered stable under normal handling and storage conditions.

### 10.3 Possibility of hazardous reactions

- Not expected to occur under normal handling and storage conditions.

### 10.4 Conditions to avoid

- Oil-soaked rags and other materials may heat and spontaneously ignite if piled in a heap.
- Exposure to high temperatures
- Strong acids
- Strong bases
- Strong oxidisers

### 10.5 Incompatible materials

- Strong acids
- Strong bases
- Strong oxidisers
- Strong reducing agents.

### 10.6 Hazardous decomposition products

- Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

## Section 11 – Toxicological Information

**Likely routes of exposure:** Skin contact.

**Potential signs and symptoms:** Redness of the skin, pain, itching, erythema and/or swelling.  
Redness of the eyes, pain, itching, watering of the eyes, swelling and/or blurred vision.

<b>Acute oral toxicity:</b>	The product is practically non-toxic based on available animal and human use data. ATE >5000 mg/kg
<b>Acute dermal toxicity:</b>	The product is practically non-toxic based on available animal and human use data. ATE >5000 mg/kg
<b>Acute inhalation toxicity:</b>	The product is practically nontoxic based on available animal and human use data.
<b>Skin corrosion/irritation:</b>	2-Butoxyethanol (CAS No. 111-76-2) is classified for skin irritation based on available animal data and human use information (Water Soluble Fast Drying Linseed Oil). The other components of this product at >1% are not skin irritants based on human and/or animal studies.
<b>Serious eye damage/irritation:</b>	2-Butoxyethanol (CAS No. 111-76-2) is classified for eye irritation based on available animal data and human use information (Water Soluble Fast Drying Linseed Oil). The other components of this product at >1% are not eye irritants based on human and/or animal studies.
<b>Respiratory or skin sensitization:</b>	The components in this product at >0.1% are not sensitizing to the skin based on human and/or animal studies.
<b>Mutagenicity:</b>	The components in the product at >0.1% are not mutagenic based on animal studies or no data identified for the components in this product.
<b>Carcinogenicity:</b>	The components in the product at >0.1% are not carcinogenic based on animal studies or no data identified for the components in this product.
<b>Reproductive Toxicity:</b>	The components in the product at >0.1% are not reproductive toxicants based on animal studies or no data identified for the components in this product.

<b>Specific target organ toxicity (single exposure):</b>	The components in the product at >1% are not specific target organ toxicity (single exposure) toxicants based on animal studies or no data identified for the components in this product.
<b>Specific target organ toxicity (repeated exposure):</b>	The components in the product at >1% are not specific target organ toxicity (repeated exposure) toxicants based on animal studies or no data identified for the components in this product.
<b>Aspiration hazard:</b>	The components in the product at >1% are not aspiration hazards based on animal studies or no data identified for the components in this product.

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

- This product is not expected to be endocrine disrupting.

### 11.2.2 Information on other hazards

- No other hazards to note.

## References:

ECHA (European Chemicals Agency). 2023. REACH Registered Substances Database.

<https://echa.europa.eu/search-for-chemicals>

IARC (International Agency for Research on Cancer). 2023. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>

NTP (National Toxicology Program). 2023. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: Official Journal of the European Union. 2008. Regulation (EC) No. 1272/2008.

<http://data.europa.eu/eli/reg/2008/1272/2022-03-01>

U.S. Department of Health and Human Services, Public Health Service. <https://ntp.niehs.nih.gov/go/roc14>

## Section 12 – Ecological Information

### 12.1 Toxicity

- This product is not expected to be harmful or toxic to aquatic life.

### 12.2 Persistence and degradability

- No data available for the other components of the product.

### 12.3 Bioaccumulative potential

- No data available.

### 12.4 Mobility in Soil

- No data available.

### 12.5 Results of PBT and vPvB assessment

- No data available.

### 12.6 Endocrine disrupting properties

- This product is not expected to be endocrine disrupting.

### 12.7 Other adverse effects

- No further data available.

## Section 13 – Disposal Considerations

### 13.1 Waste treatment methods

**Preparing wastes for disposal:** Use product for its intended purpose or recycle if possible. Dispose of waste in accordance with local, regional, national, and/or international regulations. The empty container has residues which may exhibit hazards of the product.

**Contaminated Packaging:** Container packaging is not expected to exhibit hazards.



## Section 14 – Transport Information

14.1 UN number	UN2845
14.2 UN proper shipping name	PYROPHORIC LIQUID, ORGANIC, N.O.S.
14.3 Transport hazard class(es):	4.2
14.4 Packing group	I
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

## Section 15 – Regulatory Information

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

Note: The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3 – Composition / Information on Ingredients.

**Australia:**

**Australian Inventory of Chemical Substances (AICS):** 2-Butoxyethanol (CAS No. 111-76-2) is subject to reporting restrictions. The remaining components in this product can be imported without notification as long as the importer is already registered.

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act 1989 (as amended):** 2-Butoxyethanol (CAS No. 111-76-2) and xylene (CAS No. 1330-20-7) are listed under schedule 6 of the SUSMP. All remaining components of this product are not listed in the SUSMP.

**Agricultural and Veterinary Chemicals Act 1994:** The product is not intended for agricultural or veterinary use.

**Prohibition / Licensing Requirements:** There are no applicable prohibition or notification / licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

**Canada**

**Canadian Environmental Protection Act DSL/NDSL:** All ingredients are listed on the DSL.

**2-Butoxyethanol Regulations (SOR/2006-347):** The product contains 2-butoxyethanol (CAS No. 111-76-2).

**Canadian Environmental Protection Act, 1999 (S.C. 1999, c. 33):** The product contains the Schedule 1 substance, 2-butoxyethanol (CAS No. 111-76-2).

**European Union**

**Seveso Directive (2012/18/EU):** No components in this product are listed.

**Regulation (EC) No. 1005/2009, Annex I and II:** No components in this product are listed.

**Regulation (EU) No. 649/2012, Annex I, Parts I-III:** No components in this product are listed.

**Regulation (EU) No. 2019/1021, Annex I:** No components in this product are listed.

**Germany:**

**Wassergefährdungsklasse (water hazard class):** WGK 1 – Schwach wassergefährdend.

**United States****Federal Regulations:****Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):**

Chemical Name	CAS No.	CERCLA RQ	RCRA Code	CAA112(r) TQ
Xylene	1330-20-7	100 lbs	U239	None
Ethylbenzene	100-41-4	1,000 lbs	None	None

No other components in this product >0.1% are subject to reporting under CERCLA.

**Clean Water Act (CWA):** No components in this product are listed as toxic pollutants.

**Clean Air Act (CAA):** No components in this product are listed under the CAA.

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:**

**SARA 302 Components:** No components in this product are subject to reporting requirements of S.302.

**SARA 304 Emergency Release Notification:** No components in this product are subject to reporting requirements of S.304.

**SARA 311/312 Hazards: Health hazard:** No components in this product are subject to reporting requirements of S.311/312.

**SARA 313 Components:** Xylene (CAS No. 1330-20-7) and ethylbenzene (CAS No. 100-41-4) are subject to reporting requirements of S.313. No other components in this product are subject to reporting requirements of S.313.

**Toxic Substances Control Act (TSCA):** All components are listed on the non-confidential TSCA inventory or are exempt.

**State Regulations:**

**California Proposition 65 List:** Ethylbenzene (CAS No. 100-41-4) is listed on the Proposition 65 list. A screening assessment indicates that the levels of ethylbenzene in the product is not expected to be a cause for concern or require warnings as per California Proposition 65. No other components in this product are listed on the Proposition 65 List.

**International:**

**IARC:** Xylene (CAS No. 1330-20-7) classified as Group 2B - possibly carcinogenic to humans. 2-Butoxyethanol (CAS No. 111-76-2) and ethylbenzene (CAS No. 100-41-4) are classified as Group 3 - not classifiable as to its carcinogenicity to humans. No other components in this product are classified with respect to carcinogenicity.

## 15.2 Chemical Safety Assessment

- None available for the components in this product.



## Section 16 – Other Information

## List of acronyms and abbreviations:

ACGIH: American conference of Governmental Hygienists	PBT: Persistent, Bioaccumulative and Toxic
AICS: Australian Inventory of Chemical Substances	PEL: Permissible Exposure Level
ATE: Acute Toxicity Estimate	PPE: Personal Protective Equipment
CAA: Clean Air Act	RCRA: Resource Conservation and Recovery Act
CAS: Chemical Abstract Service Number	REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
CWA: Clean water Act	REL: Recommended exposure level
CERCLA: Comprehensive Environmental Response and Liability Act of 1980	RQ: Reportable quantity
CLP: Classification, Labelling and Packaging Regulation (EC) No. 1272/2008	SARA: Superfund Amendments and Reauthorization Act
DFG MAK: Deutsche Forschungsgemeinschaft Maximale Arbeitsplatz-Konzentration	SDS: Safety Data Sheet
DSL: Domestic Substances List	SCL: Specific concentration limit
EC: European Commission	STOT RE: Specific target organ toxicity (repeated exposure)
ECHA: European Chemicals Agency	SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons
EU: European Union	TLV: Threshold limit value
GHS: Global Harmonized System	TSCA: Toxic Substances Control Act
IARC: International Agency for Research on Cancer	TWA: Time-weighted average
IMO: International Maritime Organization	UN: United Nations
INCA: Industrial Chemical Notification and Assessment	VOC: Volatile organic compounds
NDSL: Non-Domestic Substances List	vPvB: very Persistent, very Bioaccumulative
NIOSH: National Institute for Occupational Safety & Health	WGK: Wassergefährdungsklasse
NTP: National Toxicology Program	WHMIS: Workplace Hazardous Materials Information System
OSHA: Occupational Safety and Health Administration	WHS: Work Health and Safety

## References:

- ECHA (European Chemicals Agency). 2023. REACH Registered Substances Database. <https://echa.europa.eu/search-for-chemicals>
- IARC (International Agency for Research on Cancer). 2023. Agents Classified by the IARC Monographs, Volumes 1–129. <https://monographs.iarc.who.int/list-of-classifications/>
- NTP (National Toxicology Program). 2023. Report on Carcinogens, Fifteenth Edition.; Research Triangle Park, NC: Official Journal of the European Union. 2008. Regulation (EC) No. 1272/2008. <http://data.europa.eu/eli/reg/2008/1272/2022-03-01>
- U.S. Department of Health and Human Services, Public Health Service. <https://ntp.niehs.nih.gov/go/roc14>

## Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Revision Indicator:** This is a new Safety Data Sheet.

**Creation Date:** March 15, 2023