SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 17-Jan-2024 **Revision Number** 2

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

1.1. Product identifier

Product Code(s) NATLQ14098

Product Name Caramel Biscuit Flavouring

Unique Formula Identifier (UFI) UFI: 1N22-4FCY-UQKV-TEN8

Pure substance/mixture Mixture

Contains Furaneol

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

Recommended use Not for retail sale

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer I.T.S Ltd
Innovation House, Abex Road, Newbury,
Berkshire, RG14 5EY, United Kingdom
Tel: 01635 261920

Supplier

For further information, please contact

1.4. Emergency telephone number

Emergency Telephone +44 (0)7872 575597 Managing Director
+44 (0)7392 084655 Head of Site, Operations and Purchasing

Emergency Telephone - §45 - (EC)1272/2008	
Europe	**112**

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)

2.2. Label elements

Contains Furaneol

Signal word
Warning

Hazard statements
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
EUH208 - Contains Maple Lactone Natural, Cassia Oil Rectified, Dihydrocoumarin Natural May produce an allergic reaction.

Precautionary Statements - EU (§28, 1272/2008)
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P280 - Wear protective gloves and eye/face protection
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P337 + P313 - If eye irritation persists: Get medical advice/attention
P362 + P364 - Take off contaminated clothing and wash it before reuse

2.3. Other hazards

Causes mild skin irritation.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Propylene Glycol 57-55-6	90-95	No data available	200-338-0	No data available	-	-	-
Dihydrocoumarin Natural 119-84-6	0-1	No data available	204-354-9	No data available	-	-	-
Diacetyl Natural 431-03-8	0-1	No data available	207-069-8	No data available	-	-	-
Acetyl Propionyl Natural	0-1	No data available	2	No data available	-	-	-
Benzaldehyde Nat 100-52-7	0-1	No data available	202-860-4	Acute Tox. 4 (H302)	-	-	-

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

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Propylene Glycol 57-55-6	20000	20800	No data available	No data available	No data available
Dihydrocoumarin Natural 119-84-6	1460	No data available	No data available	No data available	No data available
Diacetyl Natural 431-03-8	1580	5000	No data available	No data available	No data available
Acetyl Propionyl Natural	3000	2000	No data available	No data available	No data available
Benzaldehyde Nat 100-52-7	1292	1250	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air.

Eye contact 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. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

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

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product is or contains a sensitiser. May cause sensitisation by skin contact.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information 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 See Section 12 for additional Ecological Information.

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 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 Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

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

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Propylene Glycol 57-55-6	-	-	-	-	TWA: 150 ppm TWA: 474 mg/m³ TWA: 10 mg/m³
Diacetyl Natural 431-03-8	STEL: 0.36 mg/m³ STEL: 0.1 ppm TWA: 0.07 mg/m³ TWA: 0.02 ppm	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL 0.1 ppm STEL 0.36 mg/m³ Skin sensitizer	TWA: 0.01 ppm TWA: 0.04 mg/m³ STEL: 0.02 ppm STEL: 0.07 mg/m³	STEL: 0.36 mg/m³ STEL: 0.1 ppm TWA: 0.07 mg/m³ TWA: 0.02 ppm	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL: 0.1 ppm STEL: 0.36 mg/m³
Benzaldehyde Nat 100-52-7	-	-	-	TWA: 5.0 mg/m³	-

Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Diacetyl Natural 431-03-8	STEL: 0.36 mg/m³ STEL: 0.1 ppm TWA: 0.07 mg/m³ TWA: 0.02 ppm	-	TWA: 0.02 ppm TWA: 0.07 mg/m³	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL: 0.163 ppm STEL: 0.36 mg/m³	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL: 0.10 ppm STEL: 0.36 mg/m³
Benzaldehyde Nat 100-52-7	-	-	-	-	TWA: 1 ppm TWA: 4.4 mg/m³ Ceiling: 4 ppm Ceiling: 17.4 mg/m³

Chemical name	France	Germany	Germany MAK	Greece	Hungary
Diacetyl Natural 431-03-8	-	TWA: 0.02 ppm TWA: 0.071 mg/m³ H*	TWA: 0.02 ppm TWA: 0.071 mg/m³ Peak: 0.02 ppm Peak: 0.071 mg/m³ * skin sensitizer	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL: 0.1 ppm STEL: 0.36 mg/m³	TWA: 0.07 mg/m³ STEL: 0.36 mg/m³
Acetyl Propionyl Natural	-	TWA: 0.02 ppm TWA: 0.083 mg/m³ H*	TWA: 0.02 ppm TWA: 0.083 mg/m³ Peak: 0.02 ppm Peak: 0.083 mg/m³ * skin sensitizer	-	-
Benzaldehyde Nat 100-52-7	-	-	-	-	TWA: 5 mg/m³ STEL: 10 mg/m³

Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Propylene Glycol 57-55-6	TWA: 10 mg/m³ TWA: 150 ppm	-	-	TWA: 7 mg/m³	TWA: 7 mg/m³

Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
	TWA: 470 mg/m³ STEL: 1410 mg/m³ STEL: 30 mg/m³ STEL: 450 ppm				
Diacetyl Natural 431-03-8	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL: 0.1 ppm STEL: 0.36 mg/m³	TWA: 0.07 mg/m³ TWA: 0.02 ppm STEL: 0.36 mg/m³ STEL: 0.1 ppm	TWA: 0.01 ppm TWA: 0.035 mg/m³ STEL: 0.02 ppm STEL: 0.070 mg/m³	TWA: 0.07 mg/m³ TWA: 0.02 ppm STEL: 0.36 mg/m³ STEL: 0.1 ppm	TWA: 0.07 mg/m³ TWA: 0.02 ppm STEL: 0.36 mg/m³ STEL: 0.1 ppm
Benzaldehyde Nat 100-52-7	-	-	-	TWA: 5 mg/m³	TWA: 5 mg/m³

Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Propylene Glycol 57-55-6	-	-	-	TWA: 25 ppm TWA: 79 mg/m³ STEL: 37.5 ppm STEL: 118.5 mg/m³	TWA: 100 mg/m³
Diacetyl Natural 431-03-8	STEL: 0.36 mg/m³ STEL: 0.1 ppm TWA: 0.07 mg/m³ TWA: 0.02 ppm	STEL: 0.1 ppm STEL: 0.36 mg/m³ TWA: 0.02 ppm TWA: 0.07 mg/m³	TWA: 0.07 mg/m³ STEL: 0.36 mg/m³	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL: 0.1 ppm STEL: 0.36 mg/m³	STEL: 0.36 mg/m³ TWA: 0.07 mg/m³
Benzaldehyde Nat 100-52-7	-	-	-	-	STEL: 40 mg/m³ TWA: 10 mg/m³

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Diacetyl Natural 431-03-8	TWA: 0.07 mg/m³ TWA: 0.02 ppm STEL: 0.36 mg/m³ STEL: 0.1 ppm	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL: 0.1 ppm STEL: 0.36 mg/m³	TWA: 0.02 ppm TWA: 0.07 mg/m³ Ceiling: 0.36 mg/m³	TWA: 0.07 mg/m³ TWA: 0.02 ppm STEL: 0.36 mg/m³ STEL: 0.1 ppm *	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL: 0.10 ppm STEL: 0.36 mg/m³
Acetyl Propionyl Natural	-	-	-	TWA: 0.083 mg/m³ TWA: 0.02 ppm STEL: 0.02 ppm STEL: 0.083 mg/m³ *	-

Chemical name	Sweden	Switzerland	United Kingdom
Propylene Glycol 57-55-6	-	-	TWA: 150 ppm TWA: 474 mg/m³ TWA: 10 mg/m³ STEL: 450 ppm STEL: 1422 mg/m³ STEL: 30 mg/m³
Diacetyl Natural 431-03-8	NGV: 0.02 ppm NGV: 0.07 mg/m³ Bindande KGV: 0.1 ppm Bindande KGV: 0.36 mg/m³	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL: 0.1 ppm STEL: 0.36 mg/m³	TWA: 0.02 ppm TWA: 0.07 mg/m³ STEL: 0.1 ppm STEL: 0.36 mg/m³
Acetyl Propionyl Natural	-	TWA: 0.02 ppm TWA: 0.08 mg/m³ STEL: 0.04 ppm STEL: 0.16 mg/m³ H*	-

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

8.2. Exposure controls

Personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
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.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	colourless
Odour	No information available.
Odour threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	93.5 °C	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk density	No data available	
Liquid Density	No data available	
Relative vapour density	No data available	None known
Particle characteristics		

Particle Size	No information available
Particle Size Distribution	No information available

9.2. Other information

9.2.1. Information with regards to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May cause irritation. Prolonged contact may cause redness and irritation. Causes mild skin irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

Acute toxicity

Numerical measures of toxicity
No information available

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

ATEmix (oral)	17,221.00 mg/kg
ATEmix (dermal)	18,539.40 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-dust/mist)	99,999.00 mg/l
ATEmix (inhalation-vapour)	99,999.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Dihydrocoumarin Natural	= 1460 mg/kg (Rat)	-	-
Diacetyl Natural	= 1580 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	2250 - 5200 ppm (Rat) 4 h
Acetyl Propionyl Natural	= 3 g/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Benzaldehyde Nat	= 1292 mg/kg (Rat)	> 1250 mg/kg (Rabbit)	-

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

Skin corrosion/irritation May cause skin irritation. Classification based on data available for ingredients.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitisation May cause sensitisation by skin contact.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

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

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Propylene Glycol	EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =51600mg/L (96h, Oncorhynchus mykiss) LC50: 41 - 47mL/L (96h, Oncorhynchus mykiss) LC50: =51400mg/L (96h, Pimephales promelas) LC50: =710mg/L (96h, Pimephales promelas)	-	EC50: >1000mg/L (48h, Daphnia magna)
Benzaldehyde Nat	-	LC50: 10.6 - 11.8mg/L (96h, Oncorhynchus mykiss) LC50: =12.69mg/L (96h, Oncorhynchus mykiss) LC50: 0.8 - 1.44mg/L (96h, Lepomis macrochirus) LC50: 6.8 - 8.53mg/L (96h, Pimephales promelas) LC50: =7.5mg/L (96h, Lepomis macrochirus)	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Benzaldehyde Nat	1.48

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Propylene Glycol	The substance is not PBT / vPvB PBT assessment does not apply
Benzaldehyde Nat	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number Not Regulated for Transport
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Special Provisions None

IMDG

14.1 UN number or ID number Not Regulated for Transport
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user Special Provisions None
14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number or ID number Not regulated for Transport
14.2 UN proper shipping name Not regulated

14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None

ADR
14.1 UN number or ID number Not regulated for Transport
14.2 UN proper shipping name Not regulated
14.3 Transport hazard class(es) Not regulated
14.4 Packing group Not regulated
14.5 Environmental hazards Not applicable
14.6 Special precautions for user
Special Provisions None

SECTION 15: Regulatory information

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

National regulations

France
Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Propylene Glycol 57-55-6	RG 84

Germany
Water hazard class (WGK) slightly hazardous to water (WGK 1)

European Union
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.

Authorisations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
Dihydrocoumarin Natural - 119-84-6	75.	-

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - 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
H302 - Harmful if swallowed

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

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)
EPA (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)
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

Revision date 17-Jan-2024

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
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