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# Safety Data Sheet

According to Regulation EC 1907/2006 (REACH) and subsequent amendment Regulation EU 878/2020

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

# 1.1. Product identifier

Product name:	Pumpkin Spice
Nanoforms:	It does not pertain to one or more nanoforms, or substances that include nanoforms.

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

Description/Use	Food-Grade Flavouring		
Intended use:	Industrial	Professional	Consumer
Flavor Concentrate, further manufacturing		X	X

# 1.3. Details of the supplier of the Safety Data Sheet

Name:	McKnight Standard LLC
Full address:	McKnight Standard LLC 17404 147th St. SE Ste. N Monroe, WA 98272
District and Country:	United States of America - 18005053481 - Fax.
E-mail address of the competent person responsible for the Safety Data Sheet:	service@mcknightstandard.com

# 1.4. Emergency telephone number

For urgent inquiries refer to:	18005053481; service@mcknightstandard.com; NHS 111

# SECTION 2. Hazards identification

### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a Safety Data Sheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

# Hazard classification and indication:

Flam. Liq. 3 H226 Flammable liquid and vapour		Flammable liquid and vapour
Skin Sens. 1	H317	May cause an allergic skin reaction
Aquatic Chronic 3 H412		Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements

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# Hazard pictograms:





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Sional	words:	1/1/2	rning

Hazard	statements
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H226	Flammable liquid and vapour
H317	May cause an allergic skin reaction
H412	Harmful to aquatic life with long lasting effects.

#### Precautionary statements:

Precautionary statements:		
P101	If medical advice is needed, have product container or label at hand.	
P102	Keep out of reach of children.	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
P240	Ground and bond container and receiving equipment.	
P241	Use explosion-proof [electrical/ventilating/lighting/] equipment.	
P242	Use non-sparking tools.	
P261	Avoid breathing dust/fume/gas/mist/vapours/ spray.	
P273	Avoid release to the environment.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
P302+P352	IF ON SKIN: Wash with plenty of water/	
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].	
P333 + P313	If skin irritation or rash occurs: Get medical advice /attention.	
P362 + P364	Take off contaminated clothing and wash it before reuse.	
P370+P378	In case of fire: Use to extinguish.	
P501	Dispose of contents/container in accordance with local regulations.	

# Contains:

CINNAMON OLEORESIN

CLOVE OLEORESIN

NUTMEG OLEORESIN

VANILLA BEAN EXTRACTIVES

Product not intended for uses provided for by Dir.2004/42/CE.

## 2.3. Other hazards

On the basis fo available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

 $The product does \ not \ contain \ any \ substance \ identified \ as \ having \ endocrine \ disrupting \ properties \ in \ percentage \ greater \ than \ 0.1\%.$ 

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# SECTION 3. Composition/information on ingredients

# 3.1. Substances

Information not relevant

## 3.2. Mixtures

Contains:

The full wording of hazard (H) phrases is given in section 16 of the sheet.

Identification	%	Classification 1272/2008 (CLP)
ETHYL ALCOHOL	36.22 < x < 45.27	Flam. Liq. 2 H225

**CAS:** 64-17-5

**EC:** 200-578-6

**INDEX:** 603-002-00-5

REACH: 01-2119457610-43-XXXX

Identification	%	Classification 1272/2008 (CLP)
CINNAMON OLEORESIN	1.58 < x < 1.97	Acute Tox. 3 H301; Skin Irrit. 2 H315; Eye Irrit. 2 H319; Skin Sens. 1 H317

CAS: 8015-91-6

**EC:** 616-916-4

INDEX: -

REACH: 01-2120105877-51-XXXX

Identification		%	Classification 1272/2008 (CLP)
VANILLA EXTRACTIVES	BEAN	1.12 < x < 1.39	Skin Sens. 1 H317

**CAS:** 8024-06-4

EC: 617-022-7

INDEX: -

REACH: -

Identification	%	Classification 1272/2008 (CLP)
ALL SPICE OLEORESIN	0.80 < x < 1.00	Eye Irrit. 2 H319; Skin Sens. 1 H317; Muta. 2 H341; Carc. 2 H351; Aquatic Chronic 3 H412

**CAS:** 8006-77-7

**EC:** 629-665-0

INDEX: -

REACH: -

Identification	%	Classification 1272/2008 (CLP)
NUTMEG OLEORESIN	0.80 < x < 1.00	Skin Irrit. 2 H315; Eye Irrit. 2 H319; Skin Sens. 1 H317; STOT SE 3 H335; Asp. Tox. 1 H304; Aquatic Acute 1 H400; Aquatic Chronic 1 H410
CAS. 0000 45 5		

CAS: 8008-45-5

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<b>EC:</b> 616-921-1		
INDEX: -		
<b>REACH:</b> 01-2119486669-15-X	XXX	
Identification	%	Classification 1272/2008 (CLP)
CLOVE OLEORESIN	0.72 < x < 0.90	Skin Irrit. 2 H315; Eye Irrit. 2 H319; Skin Sens. 1 H317; STOT SE 3 H335; Asp. Tox. 1 H304; Flam. Liq. 3 H226
CAS: 8000-34-8		
<b>EC:</b> 616-772-2		
INDEX: -		
REACH: -		
Identification	%	Classification 1272/2008 (CLP)
VANILLIN	0.50 < x < 0.62	Acute Tox. 4 H302; Eye Irrit. 2 H319; Skin Sens. 1 H317
<b>CAS:</b> 121-33-5		
<b>EC:</b> 204-465-2		
INDEX: -		
<b>REACH:</b> 01-2119516040-60-X	XXX	
Identification	%	Classification 1272/2008 (CLP)
HELIOTROPINE	0.20 < x < 0.25	Skin Sens. 1B H317
<b>CAS:</b> 120-57-0		
<b>EC:</b> 204-409-7		
INDEX: -		

# SECTION 4. First aid measures

**REACH:** 01-2119983608-21-XXXX

## 4.1. Description of first aid measures

**EYES:** Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

**SKIN:** Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using again.

**INHALATION:** Remove to open air. If the subject stops breathing, administer artifical respiration. Get medical advice/attentionn immediately.

**INGESTION:** Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorized by a doctor.

**PROTECTION MEASURES FOR FIRST RESPONDERS**: Concerning PPE suitable for first aid operations, please refer to section 8.2 of this safety data sheet.

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

Specific information on symptoms and effects caused by the product are unknown. For symptoms and effects caused by the contained substances, see chap. 11.

# 4.3. Indication of any immediate medical attention and special treatments needed

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Information not available

# SECTION 5. Firefighting measures

# 5.1. Exstinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

#### UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use water jets. The water is not effective to extinguish a fire, however it can be used to cool the closed containers next to the flame and prevent explosion.

# 5.2. Special hazards arising from the sustance or mixture

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breath combustion products

### 5.3. Advice for firefighters

### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of sustances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from drying into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

### SPECIAL EQUIPMENTS FOR FIREFIGHTERS

Normal firefighting clothing i.e. fire kit (EN 469), gloves (EN 659) and boots (HO specification A29 and A30) in combination with self contained open circuit positive pressure compressed air breathing apparatus (EN 137).

# SECTION 6. Accidental release measures

# 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the Safety Data Sheet) to prevent any contamination of a skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergecny procedures.

# 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water

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

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used for, by checking Section 10. Absorb the reminder with inher absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed in compliance with the provisions set forth in point 13.

# 6.4. References to other sections

Any information on personal portection and disposal in given in Sections 8 and 13.

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# SECTION 7. Handling and storage

# 7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material Safety Data Sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

## 7.2. Conditions for safe storage including any incompatibility

Store only in the original container. Store the containers sealed, in a well ventilaed place, away from direct sunlight. Keep containers away from any incompatible material, see Section 10 for details.

## 7.3. Specific end use(s)

Multi-Purpose Manufacturing

# SECTION 8. Exposure controls/personal protection

## 8.1. Control parameters

Substance name: ETHYL ALCOHOL

CAS: 64-17-5

DNEL/DMEL (Derived No-effect level/Derived minimal effect level): Not available

PNEC (Predicted No-effect Concentration): Not available

WORKPLACE EXPOSURE LIMIT (WEL)

Country: GB (EH40/2005)

Route of exposure: -

8 h [mg/m<sup>3</sup>]: 1920

8 h [ppm]: 1000

Short term (15 minutes) [mg/m<sup>3</sup>]: -

Short term (15 minutes) [ppm]: -

## 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

### HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

#### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash

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body with soap and water after removing protective clothing.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask which class must be chosen according to the limit of use concentrations. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### **ENVIRONMENTAL EXPOSURE CONTROLS**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

# SECTION 9. Physical and chemical properties

# 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Various
Odour:	Characteristic
Melting point / freezing point:	Not available
Initial boiling point:	Not available
Boiling range:	Not available
Flammability:	Not applicable
Lower explosive limit:	Not available
Upper explosive limit:	Not available
Flash point:	26.667 °C
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
pH:	3.00 - 6.00
Kinematic viscosity:	Not available
Solubility:	Not available
Partition coefficient n-octanol/water (log value):	Not available
Vapour pressure:	Not available
Relative density:	0.935 kg/L
Relative vapour density:	Not available
Particle characteristics:	Not available

# 9.2. Other information

Oxidising properties :	Not available
Explosive properties :	Not available
Evaporation rate :	Not available

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# 9.2.1. Information with regard to physical hazard classes

Not available

# 9.2.2. Information with regard to physical hazard classes

Not available

# SECTION 10. Stability and reactivity

# 10.1. Reactivity

There are no particular risks of reactions with other substances in normal conditions of use

# 10.2. Chemical stability

The product is stable in normal conditions of use ad storage

## 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeabe in normal conditions of use and storage

### 10.4. Condition to avoid

None in particular. However, the usual precautions used for chemical products should be respected

# 10.5. Incompatible materials

Information not available

## 10.6. Hazardous decomposition products

Information not available

# **SECTION 11. Toxicological information**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

# 11.1. Information on toxicological effects

# Acute toxicity

### Does not meet the classification criteria for this hazard class

ATE<sub>mix</sub> (Inhalation - vapours): not classified (no significant component)

ATE<sub>mix</sub> (Inhalation - mists / powders) of the mixtures: not classified (no significant component)

ATE<sub>mix</sub> (Oral): 4962.25 mg/kg

ATE<sub>mix</sub> (Dermal) of the mixtures: not classified (no significant component)

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ETHYL ALCOHOL

LD50 Oral 6300 mg/kg bw (Rabbit)

LD50 Sc 8285 mg/kg bw (Mouse)

LD50 Dermal 20000 mg/kg bw (Rabbit)

LC50 Inhalation (4h) 116.9 mg/L air (Rat) - OECD 403 ECHA

VANILLIN

LD50 Ip 475 mg/kg bw (Mouse)

LD50 Oral 1400 mg/kg bw (Guinea Pig)

LD50 Dermal > 2000 mg/kg bw (Rat) - OECD 402 ECHA

#### Skin corrosion / Skin irritation

Does not meet the classification criteria for this hazard class

### Serious eye damage / Irritation

Does not meet the classification criteria for this hazard class

#### Respiratory or skin sensitisation

May cause an allergic skin reaction

#### Germ cell mutagenicity

Does not meet the classification criteria for this hazard class

### Carcinogenity

Does not meet the classification criteria for this hazard class

#### Reproductive toxicity

Does not meet the classification criteria for this hazard class

### STOT - Single exposure

Does not meet the classification criteria for this hazard class

### STOT - Repeated exposure

Does not meet the classification criteria for this hazard class

# Aspiration toxicity

Does not meet the classification criteria for this hazard class

### 11.2 Information on other hazards

Not applicable

# 11.2.1 Endocrine disrupting properties

Not applicable

### 11.2.2 Other information

Not applicable

# SECTION 12. Ecological information

Not being data available, use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

# 12.1. Toxicity

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Harmful to aquatic life with long lasting effects. 12.2. Persistence and degradability Information not available 12.3. Bioaccumulative potential Not determined 12.4. Mobility in soil Information not available 12.5. Results of PBT and vPvB assessment On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%12.6. Endocrine disrupting properties Not applicable 12.7. Other adverse effects Information not available SECTION 13. Disposal considerations 13.1. Waste treatment methods Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations. SECTION 14. Transport information 14.1 UN number ADR-RID-ADN-IMDG-IATA/IACAO: UN 1197 14. 2 UN proper shipping name ADR-RID-ADN-IMDG-IATA/IACAO: EXTRACTS, FLAVOURING, LIQUID

14.3 Transport hazard class(es)

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ADR-RID-ADN-IMDG-IATA/IACAO: 3 (Flammable liquids)



## 14.4 Packing group

ADR-RID-ADN-IMDG-IATA/IACAO: III

### 14.5 Environmental hazards

ADR-RID-ADN-IMDG-IATA/IACAO: NO

## 14.6 Special precautions for user

The transport of dangerous goods, including loading and unloading, must be carried out by persons who have received the necessary training as provided for in modal regulations.

The load compartment of closed vehicles carrying liquids having a flash-point of not more than 60 °C, shall not be entered by persons carrying portable lighting apparatus other than those so designed and constructed that they cannot ignite any flammable vapours may have penetrated into the interior of the vehicle.

The provisions of Chapter 8.4 concerning the supervision of vehicles shall apply when the total mass or volume of these substances in the vehicle exceeds 10 000 kg as packaged goods or 3 000 litres in tanks.

ADR / RID: Hazard identification number: 30 Limited Quantities: 5 litres Tunnel restriction code: (D/E)

IMDG: EmS: F-E, S-D Limited Quantities: 5 litres Stowage category: A

IATA: Limited Quantities: 1 L Packing instruction: Y341

Passenger: Total net quantity per package: 5 L Packing instruction: 353

Cargo: Total net quantity per package: 60 L Packing instruction: 364

# 14.7 Transport in bulk according to Annx II of MARPOL and the IBC Code

Information not relevant

# SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EC:

P5c FLAMMABLE LIQUIDS Flammable liquids, Categories 2 or 3 not covered by P5a and P5b

Restriction relating to the product or contained substnace pursuant to Annex XVII to EC Regolation 1907/2006

Product

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Point		3
Point		40
Substances in Candidate	List (Art. 59 REACH)	
On the basis of available of	data, the product does not contain	n any SVHC in percentage greater than 0.1%
Substances subject to aut	horization (Annex XIV REACH)	
None		
Substances subject to exp	ortation reporting pursuant to (E	C) Reg. 649/2012
None		
Substances subject to the	Rotterdam Convention	
None		
Substances subject to the	StockholmConvention	
None		
Healthcare controls		
		health checks, provided that available risk-assessment data prove that the
risks related to the worke	rs' health and safety are modest a	and that the 98/24/EC directive is respected.
15.2. Chemical safet	y assessment	
No chemical safety assessment has been processed for the mixture		
SECTION 16. Othe	r information	
	ions mentioned in section 2-3 of	the sheet:
Acute Tox. 3	Acute toxicity, category 3	
Acute Tox. 4	Acute toxicity, category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
Asp. Tox. 1	Aspiration hazard, category 1	
Carc. 2		
Eye Irrit. 2	Eye irritation, category 2	
Flam. Liq. 2	Flammable liquid, category 2	
Flam. Liq. 3	Flammable liquid, category 3	
Muta. 2		
STOT SE 3	Specific target organ toxicity (single exposure). Category 3	

Skin Irrit. 2

Skin Sens. 1

Skin Sens. 1B

Skin Irritation, category 2

Skin Sensitisation, category 1

Skin Sensitisation, category 1B

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EUH208	Contains May produce an allergic reaction.
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
Н315	Causes skin irritation
Н317	May cause an allergic skin reaction
Н319	Causes serious eye irritation
Н335	May cause respiratory irritation
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
1	

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3	Calculation method
Skin Sens. 1	Calculation method
Aquatic Chronic 3	Calculation method

### Legend:

- ADR: European agreement concerning the carriage of dangerous goods by road
- ADN: Internations inland waterways code for dangerous goods
- ATE: Acute toxicity estimate
- ATEmix: Acute toxicity estimate of mixture
- CAS NUMBER: Chemical abstract service number
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- DMEL: Derived minimal effect level
- EmS: Emergency schedule
- GHS: Globally harmonized system of classification and labeling of chemicals
- IATA DGR: International air transport association dangerous goods regulation
- IMDG: International maritime code for dangerous goods
- IMO: International maritime organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- IOELV: Indicative OEL value
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value

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- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic compounds
- vPvB: Very persistent and very bioaccumulative as for REACH regulation
- WGK: Water hazard classes (German)
- WEL: Workplace Exposure Limit

#### General bibliography:

- 1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
- 2. Regulation (EU) 453/2010 of the European Parliament
- 3. Regulation (EU) 830/2015 of the European Parliament
- 4. Regulation (EC) 1272/2008 of the European Parliament (CLP)
- 5. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 6. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 7. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 8. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 9. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 10. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 11. Regulation (EU) 1221/2015 (VII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 918/2016 (VIII Atp. CLP) of the European Parliament
- 13. Regulation (EU) 1179/2016 (IX Atp. CLP) of the European Parliament
- 14. Regulation (EU) 776/2017 (X Atp. CLP) of the European Parliament
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- Website ECHA agency

### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product requires further manufacturing.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.