Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

LEU Imprägnat F 10 fungi

Version number: 3.0
Replaces version of: 2019-07-03 (2)

Revision: 2020-10-09
First version: 2019-07-02

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

1.1 Product identifier

Trade name — **LEU Imprägnat F 10 fungi**

Registration number (REACH) — Not relevant (mixture).

CAS number — not relevant (mixture)

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

Relevant identified uses — Impregnating product

1.3 Details of the supplier of the safety data sheet

Uniter Chemie GmbH
Lötscher Weg 48
D-41334 Nettetal
Germany

Telephone: ++49 (0) 2153 - 9789-0
Telefax: ++49 (0) 2153 - 9789-29
e-mail: info@uniter.com

e-mail (competent person) — info@uniter.com

National contact — ++49 (0) 2153 - 9789 - 15

1.4 Emergency telephone number

As above or nearest toxicological information centre.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Classification

Section	Hazard class	Category	Hazard class and category	Hazard state-ment
3.4S	skin sensitisation	1	Skin Sens. 1	H317
3.10	aspiration hazard	1	Asp. Tox. 1	H304
4.1C	hazardous to the aquatic environment - chronic hazard	2	Aquatic Chronic 2	H411

For full text of abbreviations: see SECTION 16

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word danger

Pictograms

GHS07, GHS08, GHS09

Hazard statements

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

Hazardous ingredients for labelling

Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates
2-octyl-2H-isothiazol-3-one
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates
terbutryn

2.3 Other hazards

This material is combustible, but will not ignite readily.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

Description of the mixture

Hazardous ingredients

Name of substance	Identifier	Wt%	Classification acc. to GHS	Picto-grams	Notes	Specific Conc. Limits	M-Factors
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	EC No 918-167-1 REACH Reg. No 01-2119472146-39-XXXX	25 – < 50	Flam. Liq. 3 / H226 Asp. Tox. 1 / H304 Aquatic Chronic 4 / H413				
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	CAS No 246538-78-3 EC No 920-901-0 REACH Reg. No 01-2119456810-40-XXXX	10 – < 25	Asp. Tox. 1 / H304				
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates	EC No 927-285-2 REACH Reg. No 01-2119480162-45-XXXX	10 – < 25	Asp. Tox. 1 / H304				
2-(2-but-oxyethoxy)eth-anol	CAS No 112-34-5 EC No 203-961-6 Index No 603-096-00-8	1 – < 5	Eye Irrit. 2 / H319		GHS-HC IOELV		

Hazardous ingredients

Name of substance	Identifier	Wt%	Classification acc. to GHS	Picto-grams	Notes	Specific Conc. Limits	M-Factors
terbutryn	CAS No 886-50-0 EC No 212-950-5	0.1 – < 1	Skin Sens. 1B / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410				M-factor (acute) = 100.0 M-factor (chronic) = 100.0
2-octyl-2H-iso-thiazol-3-one	CAS No 26530-20-1 EC No 247-761-7 Index No 613-112-00-5	0.1 – < 1	Acute Tox. 4 / H302 Acute Tox. 3 / H311 Acute Tox. 3 / H331 Skin Corr. 1B / H314 Skin Sens. 1 / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410		GHS-HC	Skin Sens. 1; H317: C ≥ 0.05 %	M-factor (acute) = 10.0
dioctyltin di-laurate	CAS No 3648-18-8 EC No 222-883-3	0.01 – < 0.1	Repr. 2 / H361d STOT RE 1 / H372 Aquatic Chronic 3 / H412				

Notes

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)

IOELV: Substance with a community indicative occupational exposure limit value

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Take off immediately all contaminated clothing.
In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air.
Mouth to mouth resuscitation should be avoided. Use alternative methods, preferably with oxygen or compressed air driven apparatus.
If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap.
If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact

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.

Following ingestion

Rinse mouth. Do not induce vomiting.
Call a physician immediately.

Notes for the doctor

None.

4.2 Most important symptoms and effects, both acute and delayed

Death following aspiration.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

water spray, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO2)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products: Section 10.

Hazardous combustion products

nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2)

5.3 Advice for firefighters

Keep containers cool with water spray.
In case of fire and/or explosion do not breathe fumes.
Co-ordinate firefighting measures to the fire surroundings.
Do not allow firefighting water to enter drains or water courses.
Collect contaminated firefighting water separately.
Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

wear self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.
Ventilate affected area.
Avoid contact with skin and eyes.
Do not breathe vapour/spray.
Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water.
Retain contaminated washing water and dispose of it.
If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to clean up a spill

Collect spillage.
Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal.
Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5.
Personal protective equipment: see section 8.
Incompatible materials: see section 10.
Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provision of sufficient ventilation.
Avoid contact with skin and eyes.
Do not breathe vapour/spray.

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation.
Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharge.

Specific notes/details

Vapours may form explosive mixtures with air.

Measures to protect the environment

Avoid release to the environment.

Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.
Wash hands after use.
Preventive skin protection (barrier creams/ointments) is recommended.
Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Take precautionary measures against static discharge.
Protect from sunlight.

Incompatible substances or mixtures

Incompatible materials: see section 10.

Protect against external exposure, such as

heat

Consideration of other advice

Keep away from food, drink and animal feeding stuffs.
Keep in a cool, well-ventilated place.

Ventilation requirements

Provision of sufficient ventilation.

Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Notation	Source
EU	2-(2-butoxyethoxy)ethanol	112-34-5	IOELV	10	67.5	15	101.2		2006/15/EC
GB	cycloalkanes (>C7)		WEL		800				EH40/2005

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Notation	Source
GB	normal and branched chain alkanes (>C7)		WEL		1,200				EH40/2005
GB	tin, organic compounds		WEL		0.1		0.2	Sn	EH40/2005
GB	2-(2-butoxyethoxy)ethanol	112-34-5	WEL	10	67.5	15	101.2		EH40/2005

Notation

Sn	calculated as Sn (tin)
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	67.5 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	67.5 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	83 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	40.5 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	40.5 mg/m³	human, inhalatory	consumer (private households)	chronic - local effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	5 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
2-(2-butoxyethoxy)ethanol	112-34-5	DNEL	50 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
dioctyltin dilaurate	3648-18-8	DNEL	0.004 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
dioctyltin dilaurate	3648-18-8	DNEL	0.001 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
dioctyltin dilaurate	3648-18-8	DNEL	0.001 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects

Relevant PNECs of components of the mixture

Name of substance	CAS No	Endpoint	Threshold level	Environmental compartment
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	1.1 mg/l	freshwater
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.11 mg/l	marine water
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	200 mg/l	sewage treatment plant (STP)
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	4.4 mg/kg	freshwater sediment
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.44 mg/kg	marine sediment
2-(2-butoxyethoxy)ethanol	112-34-5	PNEC	0.32 mg/kg	soil
2-octyl-2H-isothiazol-3-one	26530-20-1	PNEC	2.2 µg/l	freshwater
2-octyl-2H-isothiazol-3-one	26530-20-1	PNEC	0.22 µg/l	marine water
2-octyl-2H-isothiazol-3-one	26530-20-1	PNEC	47.5 µg/kg	freshwater sediment
2-octyl-2H-isothiazol-3-one	26530-20-1	PNEC	4.75 µg/kg	marine sediment
2-octyl-2H-isothiazol-3-one	26530-20-1	PNEC	8.2 µg/kg	soil
dioctyltin dilaurate	3648-18-8	PNEC	0.002 µg/l	freshwater
dioctyltin dilaurate	3648-18-8	PNEC	0 µg/l	marine water
dioctyltin dilaurate	3648-18-8	PNEC	100 mg/l	sewage treatment plant (STP)
dioctyltin dilaurate	3648-18-8	PNEC	0.028 mg/kg	freshwater sediment
dioctyltin dilaurate	3648-18-8	PNEC	0.003 mg/kg	marine sediment
dioctyltin dilaurate	3648-18-8	PNEC	0.006 mg/kg	soil
2-(2-butoxyethoxy)ethanol: PNEC Oral - Predators - Secondary poisoning - 56 mg/kg				
dioctyltin dilaurate: PNEC Oral Secondary Poisoning 0,02 mg/kg Food				

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Hand protection

Protective gloves

Material	Material thickness	Breakthrough times of the glove material
no information available	no information available	no information available

Wear suitable gloves.
Chemical protection gloves are suitable, which are tested according to EN 374.
Check leak-tightness/impermeability prior to use.
In the case of wanting to use the gloves again, clean them before taking off and air them well.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Other protection measures

Protective clothing against liquid chemicals.

Respiratory protection

Type: A (against organic gases and vapours with a boiling point of > 65 °C , colour code: Brown).

Environmental exposure controls

Use appropriate container to avoid environmental contamination.
Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	Liquid
Form	Fluid
Colour	Nearly colourless
Odour	Characteristic
Odour threshold	These information are not available

Other safety parameters

pH (value)	These information are not available

Melting point/freezing point	These information are not available
Initial boiling point and boiling range	180 °C
Flash point	>60 °C
Evaporation rate	These information are not available
Flammability (solid, gas)	Not relevant (fluid)
Explosive limits	
Lower explosion limit (LEL)	These information are not available
Upper explosion limit (UEL)	These information are not available
Vapour pressure	These information are not available
Density	0.8 $^{g}/_{cm^3}$ at 20 °C
Vapour density	These information are not available
Relative density	These information are not available
Solubility(ies)	
Water solubility	Not miscible in any proportion
Partition coefficient	
n-octanol/water (log KOW)	These information are not available
Auto-ignition temperature	>200 °C
Relative self-ignition temperature for solids	Not relevant (Fluid)
Decomposition temperature	These information are not available
Viscosity	
Kinematic viscosity	<20 $^{mm^2}/_{s}$ at 40 °C
Dynamic viscosity	these information are not available
Explosive properties	Not explosive
Oxidising properties	Shall not be classified as oxidising

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Take precautionary measures against static discharge.

10.5 Incompatible materials

acids, oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.
Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

If not otherwise specified the classification is based on:
Ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic (oral).
Shall not be classified as acutely toxic (dermal).
Inhalation.
Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Acute toxicity of components of the mixture

Name of substance	EC No	Exposure route	End-point	Value	Species	Method	Source
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	918-167-1	oral	LD0	>5,000 $^{mg}/_{kg}$	rat	OECD Guideline 401	ECHA

Acute toxicity of components of the mixture

Name of substance	EC No	Exposure route	End-point	Value	Species	Method	Source
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	918-167-1	dermal	LD0	>2,000 $^{mg}/_{kg}$	rat	OECD Guideline 402	ECHA
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	918-167-1	inhalation: dust/mist	LC0	>5,600 $^{mg}/_{l}$/4h	rat	OECD Guideline 403	ECHA
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	920-901-0	oral	LD50	>5,000 $^{mg}/_{kg}$	rat	OECD Guideline 401	ECHA
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	920-901-0	inhalation: dust/mist	LC50	≥6,100 $^{mg}/_{m^3}$/4h	rat	OECD Guideline 403	ECHA
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	920-901-0	dermal	LD50	>2,000 $^{mg}/_{kg}$	rat	OECD Guideline 402	ECHA
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates	927-285-2	oral	LD0	>5,000 $^{mg}/_{kg}$	rat	OECD Guideline 401	ECHA
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates	927-285-2	dermal	LD0	≥3,160 $^{mg}/_{kg}$	rabbit	OECD Guideline 402	ECHA
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates	927-285-2	inhalation: dust/mist	LC0	≥5,600 $^{mg}/_{m^3}$/4h	rat	OECD Guideline 403	ECHA
2-(2-butoxyethoxy)ethanol	203-961-6	oral	LD50	2,410 $^{mg}/_{kg}$	mouse, male	OECD Guideline 401	ECHA
2-(2-butoxyethoxy)ethanol	203-961-6	dermal	LD50	2,764 $^{mg}/_{kg}$	rabbit, male	OECD Guideline 402	ECHA
terbutryn	212-950-5	dermal	LD50	>10,200 $^{mg}/_{kg}$	rabbit		GESTIS
terbutryn	212-950-5	oral	LD50	2,050 $^{mg}/_{kg}$	rat		GESTIS
2-octyl-2H-isothiazol-3-one	247-761-7	dermal	LD50	311 $^{mg}/_{kg}$	not specified	OECD Guideline 402	ECHA
dioctyltin dilaurate	222-883-3	oral	LD0	>2,000 $^{mg}/_{kg}$	rat, female	OECD Guideline 423	ECHA

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Skin sensitisation
May cause an allergic skin reaction.

Respiratory sensitisation
Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Germ cell mutagenicity

Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Carcinogenicity

Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Reproductive toxicity

Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Specific target organ toxicity - single exposure

Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Specific target organ toxicity - repeated exposure

Classification could not be established because:
Data are lacking, inconclusive, or conclusive but not sufficient for classification.

Aspiration hazard

May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

If aspirated:

pneumonia, death following aspiration

Other information

Repeated exposure may cause skin dryness or cracking.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity (acute)

Test data are not available for the complete mixture.
Based on available data, the classification criteria are not met.

Aquatic toxicity (acute) of components of the mixture

Name of substance	EC No	Endpoint	Value	Species	Method	Source	Exposure time
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	918-167-1	LL50	>1,000 $^{mg}/_{l}$	rainbow trout (Oncorhynchus mykiss)	OECD Guideline 203	ECHA	96 h
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	918-167-1	LL50	>1,000 $^{mg}/_{l}$	Chaetogammarus marinus	EPA OPPTS 850.1020	ECHA	48 h
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	918-167-1	EL50	>1,000 $^{mg}/_{l}$	daphnia magna	OECD Guideline 202	ECHA	48 h
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	918-167-1	EL50	>1,000 $^{mg}/_{l}$	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA	72 h
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	920-901-0	LL50	>1,000 $^{mg}/_{l}$	rainbow trout (Oncorhynchus mykiss)	OECD Guideline 203	ECHA	96 h
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	920-901-0	LL50	>1,000 $^{mg}/_{l}$	daphnia magna	OECD Guideline 202	ECHA	72 h
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	920-901-0	EL50	>1,000 $^{mg}/_{l}$	daphnia magna	OECD Guideline 202	ECHA	48 h
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	920-901-0	EL50	>1,000 $^{mg}/_{l}$	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA	72 h
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates	927-285-2	LL50	>1,000 $^{mg}/_{l}$	rainbow trout (Oncorhynchus mykiss)	OECD Guideline 203	ECHA	96 h

Name of substance	EC No	Endpoint	Value	Species	Method	Source	Exposure time
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates	927-285-2	LL50	>81,000 $^{mg}/_{l}$	saltwater invertebrates (Mysidopsis bahia)		ECHA	96 h
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates	927-285-2	EL50	>1,000 $^{mg}/_{l}$	daphnia magna	OECD Guideline 202	ECHA	48 h
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates	927-285-2	EL50	>1,000 $^{mg}/_{l}$	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA	72 h
2-(2-butoxyethoxy)ethanol	203-961-6	LC50	1,300 $^{mg}/_{l}$	bluegill (Lepomis macrochirus)	OECD Guideline 203	ECHA	96 h
2-(2-butoxyethoxy)ethanol	203-961-6	EC50	>100 $^{mg}/_{l}$	daphnia magna	EU method C.2	ECHA	48 h
2-(2-butoxyethoxy)ethanol	203-961-6	ErC50	1,101 $^{mg}/_{l}$	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA	72 h
2-(2-butoxyethoxy)ethanol	203-961-6	EbC50	>100 $^{mg}/_{l}$	algae (Desmodesmus subspicatus)	OECD Guideline 201	ECHA	96 h
terbutryn	212-950-5	EC50	0.002 $^{mg}/_{l}$	algae		GESTIS	72 h
terbutryn	212-950-5	EC50	7.1 $^{mg}/_{l}$	daphnia		GESTIS	48 h
terbutryn	212-950-5	LC50	0.82 $^{mg}/_{l}$	fish		GESTIS	96 h
dioctyltin dilaurate	222-883-3	ErC50		aerobic microorganisms			48 h

Aquatic toxicity (chronic)

Toxic to aquatic life with long lasting effects.
Test data are not available for the complete mixture.

Aquatic toxicity (chronic) of components of the mixture

Name of substance	EC No	Endpoint	Value	Species	Method	Source	Exposure time
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	918-167-1	EL50	>1 $^{mg}/_{l}$	daphnia magna	OECD Guideline 211	ECHA	21 d
2-(2-butoxyethoxy)ethanol	203-961-6	NOEC	≥100 $^{mg}/_{l}$	algae (Desmodesmus subspicatus)	OECD Guideline 201	ECHA	96 h
2-(2-butoxyethoxy)ethanol	203-961-6	growth (EbCx) 10%	>1,995 $^{mg}/_{l}$	Bacteria (activated sludge)	OECD Guideline 209	ECHA	30 min
2-octyl-2H-isothiazol-3-one	247-761-7	NOEC	0.035 $^{mg}/_{l}$	aquatic invertebrates	(Q)SAR	ECHA	21 d
2-octyl-2H-isothiazol-3-one	247-761-7	NOEC	0.022 $^{mg}/_{l}$	fish	(Q)SAR	ECHA	60 d
2-octyl-2H-isothiazol-3-one	247-761-7	NOEC	0.068 $^{mg}/_{l}$	algae	(Q)SAR	ECHA	96 h

12.2 Persistence and degradability

Degradability of components of the mixture

Degradability of components of the mixture

Name of substance	EC No	Process	Degradation rate	Time	Method	Source
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	918-167-1	oxygen depletion	31.3 %	28 d	OECD Guideline 301 F	ECHA
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	918-167-1	carbon dioxide generation	20.62 %	31 d	EPA OTS 796.3100	ECHA
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	920-901-0	oxygen depletion	89.8 %	28 d	OECD Guideline 301 F	ECHA
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	920-901-0	carbon dioxide generation	20.62 %	31 d	EPA OTS 796.3100	ECHA

Degradability of components of the mixture						
Name of substance	**EC No**	**Process**	**Degradation rate**	**Time**	**Method**	**Source**
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates	927-285-2	oxygen depletion	67.6 %	28 d	OECD Guideline 301 F	ECHA
2-(2-butoxyethoxy)ethanol	203-961-6	oxygen depletion	85 %	28 d	OECD Guideline 301 C	ECHA

Biodegradation

No data available.

Persistence

No data available.

12.3 Bioaccumulative potential

Test data are not available for the complete mixture.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects

Data are not available.

Remarks

Wassergefährdungsklasse, WGK (water hazard class): 3

SECTION 13: Disposal considerations

13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste.

Sewage disposal-relevant information

Do not empty into drains.

Waste treatment of containers/packagings

Completely emptied packages can be recycled.
Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions.

SECTION 14: Transport information

14.1	**UN number**	3082
14.2	**UN proper shipping name**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	Technical name (hazardous ingredients)	terbutryn, 2-octyl-2H-isothiazol-3-one
14.3	**Transport hazard class(es)**	
	Class	9
14.4	**Packing group**	III
14.5	**Environmental hazards**	hazardous to the aquatic environment
	Environmentally hazardous substance (aquatic environment)	terbutryn, 2-octyl-2H-isothiazol-3-one
14.6	**Special precautions for user**	-
14.7	**Transport in bulk according to Annex II of MARPOL and the IBC Code**	-

14.8 **Information for each of the UN Model Regulations**

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).

UN number	3082
Proper shipping name	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (terbutryn, 2-octyl-2H-isothiazol-3-one, solution), 9, III, (-)
Class	9
Classification code	M6
Packing group	III
Danger label(s)	9, fish and tree

Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274, 335, 375, 601
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	-

Hazard identification No	90
Emergency Action Code	3Z

International Maritime Dangerous Goods Code (IMDG)

UN number	3082
Proper shipping name	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (terbutryn, 2-octyl-2H-isothiazol-3-one, solution), 9, III
Class	9
Marine pollutant	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	9, fish and tree

Special provisions (SP)	274, 335, 969
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-F
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR)

UN number	3082
Proper shipping name	UN3082, Environmentally hazardous substance, liquid, n.o.s., (terbutryn, 2-octyl-2H-isothiazol-3-one, solution), 9, III
Class	9
Environmental hazards	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	9, fish and tree

Special provisions (SP)	A97, A158, A197
Excepted quantities (EQ)	E1
Limited quantities (LQ)	30 kg

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)

Name of substance	Name acc. to inventory	CAS No	Restriction
LEU Imprägnat F 10 fungi	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		R3
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		R3
Hydrocarbons, C11-C12, Isoalkanes, < 2% aromates	flammable / pyrophoric		R40
Hydrocarbons, C11-C14, Isoalkanes, Cycloalkanes, <2% Aromates	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		R3
Hydrocarbons, C11-C13, Isoalkanes, < 2% aromates	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		R3
2-(2-butoxyethoxy)ethanol	2-(2-butoxyethoxy)ethanol (DEGBE)	112-34-5	R55
2-(2-butoxyethoxy)ethanol	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		R3
dioctyltin dilaurate	tin, organic compounds		R20

Legend

R20 1. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is acting as biocide in free association paint.
2. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture acts as biocide to prevent the fouling by micro-organisms, plants or animals of:
(a) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and lakes;
(b) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming;
(c) any totally or partly submerged appliance or equipment.
3. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use in the treatment of industrial waters.
4. Tri-substituted organostannic compounds:
(a) Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPT) compounds shall not be used after 1 July 2010 in articles where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.
(b) Articles not complying with point (a) shall not be placed on the market after 1 July 2010, except for articles that were already in use in the Community before that date.
5. Dibutyltin (DBT) compounds:
(a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the

Legend

general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.
(b) Articles and mixtures not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.
(c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public:
- one-component and two-component room temperature vulcanisation sealants (RTV-1 and RTV-2 sealants) and adhesives,
- paints and coatings containing DBT compounds as catalysts when applied on articles,
- soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC,
- fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications,
- outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing and façades,
(d) By way of derogation, points (a) and (b) shall not apply to materials and articles regulated under Regulation (EC) No 1935/2004.
6. Dioctyltin (DOT) compound:
(a) Dioctyltin (DOT) compounds shall not be used after 1 January 2012 in the following articles for supply to, or use by, the general public, where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin:
- textile articles intended to come into contact with the skin,
- gloves,
- footwear or part of footwear intended to come into contact with the skin,
- wall and floor coverings,
- childcare articles,
- female hygiene products,
- nappies,
- two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits).
(b) Articles not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.

Legend

R3 1. Shall not be used in:
- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects,

2. Articles not complying with paragraph 1 shall not be placed on the market.

3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
- can be used as fuel in decorative oil lamps for supply to the general public, and,
- present an aspiration hazard and are labelled with R65 or H304,

4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).

5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
(a) lamp oils, labelled with R65 or H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: 'Keep lamps filled with this liquid out of the reach of children'; and, by 1 December 2010, 'Just a sip of lamp oil - or even sucking the wick of lamps - may lead to life-threatening lung damage';
(b) grill lighter fluids, labelled with R65 or H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter may lead to life threatening lung damage';
(c) lamp oils and grill lighters, labelled with R65 or H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.

6. No later than 1 June 2014, the Commission shall request the European Chemicals Agency to prepare a dossier, in accordance with Article 69 of the present Regulation with a view to ban, if appropriate, grill lighter fluids and fuel for decorative lamps, labelled R65 or H304, intended for supply to the general public.

7. Natural or legal persons placing on the market for the first time lamp oils and grill lighter fluids, labelled with R65 or H304, shall by 1 December 2011, and annually thereafter, provide data on alternatives to lamp oils and grill lighter fluids labelled R65 or H304 to the competent authority in the Member State concerned. Member States shall make those data available to the Commission.

R40 1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:
- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- 'whoopee' cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:
'For professional users only'.

3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (2).

4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

Legend

R55 1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight.
2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.
3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows: 'Do not use in paint spraying equipment'.

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

Seveso Directive

2012/18/EU (Seveso III)

No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements		Notes
E2	environmental hazards (hazardous to the aquatic environment, cat. 2)	200	500	57)

Notation

57) hazardous to the Aquatic Environment in category Chronic 2

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II

None of the ingredients are listed.

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

Water Framework Directive (WFD)

Not all ingredients are listed.

Regulation 98/2013/EU on the marketing and use of explosives precursors

None of the ingredients are listed.

Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

None of the ingredients are listed.

Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

None of the ingredients are listed.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
1.3	Details of the supplier of the safety data sheet: Uniter Chemie GmbH Ostring 16 D-44787 Bochum Germany Telephone: ++49 (0) 234 - 18487 Telefax: ++49 (0) 234 - 67175 e-mail: info@uniter.com	Details of the supplier of the safety data sheet: Uniter Chemie GmbH Lötscher Weg 48 D-41334 Nettetal Germany Telephone: ++49 (0) 2153 - 9789-0 Telefax: ++49 (0) 2153 - 9789-29 e-mail: info@uniter.com
3.2		Hazardous ingredients: change in the listing (table)
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)
8.1		Relevant DNELs of components of the mixture: change in the listing (table)
8.1		Relevant PNECs of components of the mixture: change in the listing (table)
15.1		Dangerous substances with restrictions (REACH, Annex XVII): change in the listing (table)

Abbreviations and acronyms

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2006/15/EC	Commission Directive establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
Asp. Tox.	Aspiration hazard

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
DNEL	Derived No-Effect Level
EbC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
Flam. Liq.	Flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
IOELV	Indicative occupational exposure limit value
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval

Abbreviations and acronyms	
Abbr.	**Descriptions of used abbreviations**
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
M-factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.	Reproductive toxicity
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
STOT RE	Specific target organ toxicity - repeated exposure
SVHC	Substance of Very High Concern
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN).
International Maritime Dangerous Goods Code (IMDG).
Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties.
Health hazards.
Environmental hazards.
The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Responsible for the safety data sheet

C.S.B. GmbH
Düsseldorfer Str. 113
47809 Krefeld, Germany

Telephone: +49 (0) 2151 - 652086 - 0
Telefax: +49 (0) 2151 - 652086 - 9
e-Mail: info@csb-online.de
Website: www.csb-online.de

Disclaimer

This information is based upon the present state of our knowledge.
This SDS has been compiled and is solely intended for this product.