

**SAFETY DATA SHEET** ACCORDING TO REGULATION (EC) 1907/2006**Stoner**Product name: **Little Joe Fruit**Creation date: **25.03.2022**, Revision: **24.01.2023**, version: **1.1****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**Product name  
Little Joe FruitProduct code  
96404UFI:  
CFRX-72KA-2109-24QV**1.2 Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses  
Air freshener.Uses advised against  
No information.**1.3 Details of the supplier of the safety data sheet****Distributor**Stoner Incorporated  
1070 Robert Fulton Hwy.  
Quarryville, PA 17566 USA  
Tel. 1 800-227-5538  
Fax 1 717-786-9088**1.4 Emergency Telephone Number****Emergency (24h):**CHEMTREC (US)- 1 800-424-9300  
CHEMTREC (EU)- 1 703-741-5970**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008 (CLP)  
Skin Sens. 1; H317 May cause an allergic skin reaction.  
Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.**2.2 Label elements**

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

**Signal word: Warning**

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

P102 Keep out of reach of children.

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

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

**Contains:**

linalool

(R) -p-Mentha-1,8-dien

allyl 3-cyclohexylpropionate

3-(p-ethylphenyl)-2,2-dimethylpropionaldehyde

1,3-benzodioxol-5-propanal,  $\alpha$ -methyl-

2,4-dimethylcyclohex-3-ene-1-carbaldehyde

citral

(Z)-3-methyl-5-phenylpent-2-enenitrile

(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one

**2.3 Other hazards****PBT/vPvB**

No information.

**Endocrine disrupting properties**

No information.

**Additional information**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

For mixtures see 3.2.

**3.2 Mixtures**

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	Notes for substances
2,4,6-trimethyl-4-phenyl-1,3-dioxane	5182-36-5 225-963-6 -	2.5-5	Acute Tox. 4; H302 Aquatic Chronic 3; H412	/	/
linalool	78-70-6 201-134-4 603-235-00-2 01-2119474016-42	2.5-5	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319	/	/
cis-2-tert-butylcyclohexyl acetate	20298-69-5 243-718-1 -	2.5-5	Aquatic Chronic 2; H411	/	/

(R) -p-Mentha-1,8-dien	5989-27-5 227-813-5 601-096-00-2 01-2119529223-47	2.5-5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 3; H412	/	/
2,6-dimethyl-7-octen-2-ol	18479-58-8 242-362-4 - 01-2119457274-37	1-2.5	Skin Irrit. 2; H315 Eye Irrit. 2; H319	/	/
undecan-4-olide	104-67-6 203-225-4 - 01-2119959333-34	1-2.5	Aquatic Chronic 3; H412	/	/
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5 214-946-9 603-212-00-7 01-2119488227-29	1-2.5	Aquatic Acute 1; H400; M = 1 Aquatic Chronic 1; H410; M = 1	/	/
allyl 3-cyclohexylpropionate	2705-87-5 220-292-5 - 01-2119976355-27	0.1-1	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Sens. 1; H317 Acute Tox. 4; H332 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 1; H410; M = 1	/	/
allyl hexanoate	123-68-2 204-642-4 -	0.1-1	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 3; H412	/	/
3-(p-ethylphenyl)-2,2-dimethylpropionaldehyde	67634-15-5 - - 01-2120758796-34	0.1-1	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 2; H411	/	/
1,3-benzodioxol-5-propanal, α-methyl-	1205-17-0 214-881-6 - 01-2120740119-58	0.1-1	Skin Sens. 1; H317 Repr. 2; H361 Aquatic Chronic 2; H411	/	/
allyl heptanoate	142-19-8 205-527-1 - 01-2119488961-23	0.1-1	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Aquatic Acute 1; H400; M = 1 Aquatic Chronic 3; H412	/	/
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6 268-264-1 - 01-2119982384-28	0.1-1	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	/	/
isopentyl acetate	123-92-2 204-662-3 607-130-00-2 01-2119548408-32	0.1-1	Flam. Liq. 3; H226 EUH066	/	C
citral	5392-40-5 226-394-6 605-019-00-3 01-2119462829-23	0.1-1	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319	/	/
(Z)-3-methyl-5-phenylpent-2-enenitrile	53243-59-7 258-446-9 -	0.1-1	Acute Tox. 4; H302 Skin Sens. 1B; H317 Aquatic Chronic 3; H412	/	/
(E)-1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	23726-93-4 245-844-2 - 01-2120105798-49	0.01-0.1	Skin Irrit. 2; H315 Skin Sens. 1A; H317 Aquatic Chronic 2; H411	/	/
2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4 - 01-2119555270-46	<0.01	Aquatic Acute 1; H400; M = 1 Aquatic Chronic 1; H410; M = 1	/	/

vinyl acetate	108-05-4 203-545-4 607-023-00-0	<0.01	Flam. Liq. 2; H225 Acute Tox. 4; H332 STOT SE 3; H335 Carc. 2; H351 Aquatic Chronic 3; H412	/	D
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#### Notes for substances

C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers.  In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
D	Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3.  However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words "non-stabilised".

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General notes

When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention.

#### Following skin contact

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. If symptoms develop and persist, seek medical attention.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

#### Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Consult a physician. Show the physician the safety data sheet or label.

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

#### Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation. Coughing, sneezing, nasal discharge, labored breathing.

#### Following skin contact

May cause sensitisation by skin contact (itching, redness, rashes).

#### Following eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

#### Following ingestion

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

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

Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>).

Fire extinguishing powder.

Water spray. Extinguish large fires with water spray or alcohol-resistant foam.

#### Unsuitable extinguishing media

Full water jet.

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

### 5.3 Advice for firefighters

#### Protective actions

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Cool containers at risk with water spray. If possible remove containers from endangered area.

#### Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

#### Additional information

Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### For non-emergency personnel

##### Protective equipment

Use personal protective equipment (Section 8).

##### Precautionary measures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

##### Emergency procedures

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

#### For emergency responders

Use personal protective equipment.

### 6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

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

#### For containment

Prevent spillage - close holes on damaged container.

#### For cleaning up

Take up mechanically and collect in suitable container and dispose according to current regulations. Dispose in accordance with applicable regulations (see Section 13).

#### OTHER INFORMATION

No information.

#### 6.4 Reference to other sections

See also sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Protective measures

##### Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking.

##### Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

##### Measures to protect the environment

Avoid release to the environment.

#### Other measures

No information.

#### Advice on general occupational hygiene

Observe the usual precautionary measures when handling chemicals. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

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

#### Technical measures and storage conditions

Store in accordance with local regulations. Keep in tightly closed container.

#### Packaging materials

Store only in original container.

#### Requirements for storage rooms and vessels

Do not store in unlabelled containers.

#### Storage class

No information.

#### Further information on storage conditions

No information.

### 7.3 Specific end use(s)

#### Recommendations

No information.

#### Industrial sector specific solutions

No information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure limit values

Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
Pentyl acetates (all isomers)	270	50	541	100	/	/

2,6-Di-tert-butyl-p-cresol (128-37-0)	10	/	/	/	/	/
Vinyl acetate (108-05-4)	17.6	5	35.2	10	/	/

#### Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

#### DNEL/DMEL values

##### For product

No information.

##### For components

No information.

#### PNEC values

##### For product

No information.

##### For components

No information.

## 8.2 Exposure controls

#### Appropriate engineering control

##### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

##### Structural measures to prevent exposure

No information.

##### Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

##### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

#### Personal protective equipment

##### Eye and face protection

If there is a risk of eye contact use safety glasses. Safety glasses with side protection (EN 166).

##### Hand protection

Protective gloves (EN 374). Before use protect hands with suitable protective cream.

#### Appropriate materials

##### Skin protection

Cotton protective clothing and shoes that cover the entire foot (BS EN ISO 20345:2022).

##### Respiratory protection

At elevated concentrations of vapours/aerosols in the air wear a mask (EN 140) with filter A2-P2 (EN 14387). 'High/elevated concentrations' means that the occupational exposure limit values have been exceeded.

#### Thermal hazards

No information.

#### Environmental exposure controls

##### Substance/mixture related measures to prevent exposure

No information.

##### Instruction measures to prevent exposure

No information.

##### Organisational measures to prevent exposure

No information.

##### Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Physical state

solid - liquid impregnated into a solid support

#### Colour

pink

#### Odour

characteristic

#### Important health, safety and environmental information

Odour threshold	No information.
Melting point/Freezing point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	> 61 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	substance/mixture is non-soluble (in water)
Viscosity	No information.
Solubility	No information.
Partition coefficient	No information.
Vapour pressure	No information.
Density and/or relative density	No information.
Relative vapour density	No information.
Particle characteristics	No information.

### 9.2 OTHER INFORMATION

Explosive properties	No information.
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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reactions occur under normal conditions of storage and use.

### 10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.



## 10.5 Incompatible materials

Oxidants.  
Strong bases.  
Strong acids.

## 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released. Carbon dioxide; Carbon monoxide. Nitrogen oxides. Smoke.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

#### (a) Acute toxicity

For product

Exposure route	Type	Species	Time	value	Method	Remark
oral	ATE	/	/	> 2000 mg/kg	/	/
inhalation	ATE	/	/	> 20 mg/l	/	/

#### Additional information

The product is not classified for acute toxicity.

#### (b) Skin corrosion/irritation

No information.

#### Additional information

The product is not classified as irritating to the skin.

#### (c) Serious eye damage/irritation

No information.

#### Additional information

The product is not classified as an irritant to the eyes.

#### (d) Respiratory or skin sensitisation

No information.

#### Additional information

May cause an allergic skin reaction.

#### (e) (Germ cell) mutagenicity

No information.

#### (f) Carcinogenicity

No information.

#### (g) Reproductive toxicity

No information.

#### Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

#### (h) STOT-single exposure

No information.

#### Additional information

STOT SE (single exposure): Not classified.

#### (i) STOT-repeated exposure

No information.

#### Additional information

STOT RE (repeated exposure): Not classified.

#### (j) Aspiration hazard

No information.

**Additional information**

Aspiration hazard: Not classified.

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

No information.

**Interactive effects**

No information.

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**11.2 Information on other hazards**

**Endocrine disrupting properties**

No information.

**Other information**

No information.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Toxicity**

**Acute (short-term) toxicity**

No information.

**Chronic (long-term) toxicity**

No information.

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**12.2 Persistence and degradability**

**Abiotic degradation, physical- and photo-chemical elimination**

No information.

**Biodegradation**

No information.

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**12.3 Bioaccumulative potential**

**Partition coefficient**

No information.

**Bioconcentration factor (BCF)**

No information.

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**12.4 Mobility in soil**

**Known or predicted distribution to environmental compartments**

No information.

**Surface tension**

No information.

**Adsorption/Desorption**

No information.

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**12.5 Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

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**12.6 Endocrine disrupting properties**

No information.

**12.7 Other adverse effects**

No information.

**12.8 Additional information**

**For product**

Toxic to aquatic life with long lasting effects. Water hazard class 2 (self-assessment): hazardous for water. Do not allow to reach ground water, water courses or sewage system.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product / Packaging disposal**

**Waste chemical**

Dispose of in accordance with applicable waste disposal regulation. Do not allow product to reach drains/sewage systems. Dispose the product to an authorised collector/remover of waste/company performing waste recovery. Smaller quantities can be disposed of with household waste.

**Waste codes / waste designations according to LoW**

20 03 01 - mixed municipal waste

**Packaging**

The packaging must be disposed in accordance with local or national regulations. Deliver completely emptied containers to approved waste disposal authorities.

**Waste codes / waste designations according to LoW**

No information.

**Waste treatment-relevant information**

No information.

**Sewage disposal-relevant information**








No information.

**Other disposal recommendations**

No information.

**SECTION 14: TRANSPORT INFORMATION**

ADR/RID	IMDG	IATA	ADN
<b>14.1 UN number or ID number</b>			
UN 3077	UN 3077	UN 3077	UN 3077
<b>14.2 UN proper shipping name</b>			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
<b>14.3 Transport hazard class(es)</b>			
9	9	9	9

		 	
			
<b>14.4 Packing group</b>			
III	III	III	III
<b>14.5 Environmental hazards</b>			
YES	Marine pollutant	YES	YES
<b>14.6 Special precautions for user</b>			
Limited quantities 5 kg Special provisions 274, 335, 375, 601 Packing Instructions P002, IBC08, LP02, R001 Special packing provisions PP12, B3 Transport category 3 Tunnel restriction code (-)	Limited quantities 5 kg EmS F-A, S-F Flash point 61 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y956 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 30 kg G Packing Instructions (Pkg Inst) 956 Maximum Net Quantity/Package (Max Net Qty/Pkg) 400 kg Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst) 956 Cargo Aircraft Only, Maximum Net Quantity/Package (CAO, Max Net Qty/Pkg) 400 kg Special provisions A97, A158, A179, A197 Excepted quantities E1 ERG code 9L	Limited quantities 5 kg
<b>14.7 Maritime transport in bulk according to IMO instruments</b>			
	VC1, VC2		

## SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

Regulation EC 648/2004 on detergents

No information.

Special instructions

Water hazard class 2 (self-assessment): hazardous for water.

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION

Indication of changes

3.2 Mixtures 5.3 Advice for firefighters 8.2 Exposure controls 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Key literature references and sources for data

No information.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN - European Committee for Standardisation

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# - Chemical Abstracts Service number

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment

CSR - Chemical Safety Report

DMEL - Derived Minimal Effect Level

DNEL - Derived No Effect Level

DPD - Dangerous Preparations Directive 1999/45/EC

DSD - Dangerous Substances Directive 67/548/EEC

DU - Downstream User

EC - European Community

ECHA - European Chemicals Agency

EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)

EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)

EEC - European Economic Community

EINECS - European Inventory of Existing Commercial Substances

ELINCS - European List of notified Chemical Substances

EN - European Standard

EQS - Environmental Quality Standard

EU - European Union

Euphrac - European Phrase Catalogue

EWC - European Waste Catalogue (replaced by LoW – see below)

GES - Generic Exposure Scenario

GHS - Globally Harmonized System

IATA - International Air Transport Association

ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG - International Maritime Dangerous Goods

IMSBC - International Maritime Solid Bulk Cargoes

IT - Information Technology

IUCLID - International Uniform Chemical Information Database

IUPAC - International Union for Pure Applied Chemistry

JRC - Joint Research Centre

Kow - octanol-water partition coefficient

LC50 - Lethal Concentration to 50 % of a test population

LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)

LE - Legal Entity

LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

#### List of relevant H phrases

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.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.  
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.

*The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.*