

Safety Data Sheet

according to Regulation (EU) 2015/830 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

: OIL, STRAWBERRY* Product name

CAS-No. : N/A Product code : 50-8147-04 Product group : Trade product

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

The Lebermuth Company 4004 Technology Drive

46628 South Bend, IN - United States T 574-259-7000 - F 574-258-7450 info@lebermuth.com - www.lebermuth.com

1.4. Emergency telephone number

Emergency number : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300

CCN 13010

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids Category 3 H226 Acute toxicity (inhalation:vapour) Category 3 H331 Skin corrosion/irritation Category 2 H315 Skin sensitization, Category 1 H317 Germ cell mutagenicity Category 1B H340 Carcinogenicity Category 1B H350 Aspiration hazard Category 1 H304 Hazardous to the aquatic environment - Chronic Hazard Category 3 H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause cancer. May cause genetic defects. Toxic if inhaled. Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP)







GHS02

GHS06

GHS08

Signal word (CLP) : Danger

Hazardous ingredients : Ethyl methylphenylglycidate; BENZYL SALICYLATE; DIETHYL PHTHALATE; Naphtha, petroleum, hydrotreated heavy

: H226 - Flammable liquid and vapour. Hazard statements (CLP)

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H331 - Toxic if inhaled.

H340 - May cause genetic defects.

H350 - May cause cancer.

H412 - Harmful to aquatic life with long lasting effects.

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Precautionary statements (CLP)

: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P233 - Keep container tightly closed.

P240 - Ground and bond container and receiving equipment.

P241 - Use explosion-proof equipment.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the workplace.

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 or doctor.

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

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P311 - Call a POISON CENTER or doctor.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P331 - Do NOT induce vomiting.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

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 media other than water to extinguish.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
DIETHYL PHTHALATE	(CAS-No.) 84-66-2 (EC-No.) 201-550-6	25 - 50	Acute Tox. 3 (Inhalation:vapour), H331 Aquatic Chronic 3, H412
Methyl ester of rosin (partially hydrogenated)	(CAS-No.) 8050-15-5 (EC-No.) 232-476-2	10 - 25	Aquatic Chronic 3, H412
Ethyl methylphenylglycidate	(CAS-No.) 77-83-8 (EC-No.) 201-061-8	10 - 25	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Naphtha, petroleum, hydrotreated heavy	(CAS-No.) 64742-48-9 (EC-No.) 265-150-3 (EC Index-No.) 649-327-00-6	10 - 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
BENZYL SALICYLATE	(CAS-No.) 118-58-1 (EC-No.) 204-262-9	0.1 - 1	Skin Sens. 1, H317 Aquatic Chronic 3, H412

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

: Call a physician immediately. First-aid measures general

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a doctor.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If

skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

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: Rinse eyes with water as a precaution.

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

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after ingestion · Risk of lung edema

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 : Water spray, Dry powder, Foam, Carbon dioxide,

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour. Hazardous decomposition products in case of fire : Toxic fumes may be released

5.3. Advice for firefighters

Protection during firefighting

Emergency procedures

Protective equipment

: Do not attempt to take action without suitable protective equipment. Self-contained

: Do not attempt to take action without suitable protective equipment. For further information

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

: No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing

dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or Methods for cleaning up

public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing

dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Hygiene measures

: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. Storage conditions

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DIETHYL PHTHALATE (84-66-2)

Belgium - Occupational Exposure Limits

Phtalate de diéthyle # p-Di-ethylftalaat Local name

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decoraling to regulation (ED) 2010/000		
Limit value (mg/m³)	5 mg/m³	
France - Occupational Exposure Limits		
Local name	Phtalate de diéthyle	
VME (mg/m³)	5 mg/m³	
Note (FR)	Valeurs recommandées/admises	
Spain - Occupational Exposure Limits		
Local name	Ftalato de dietilo	
VLA-ED (mg/m³)	5 mg/m³	
United Kingdom - Occupational Exposure Limits		
Local name	Diethyl phthalate	
WEL TWA (mg/m³)	5 mg/m³	
WEL STEL (mg/m³)	10 mg/m³	
USA - ACGIH - Occupational Exposure Limits		
Local name	Diethyl phthalate	
ACGIH TWA (mg/m³)	5 mg/m³	
Remark (ACGIH)	URT irr	
Naphtha, petroleum, hydrotreated heavy (64742-48-9)		
EU - Occupational Exposure Limits		
Local name	White spirit Type 3	
IOELV TWA (mg/m³)	116 mg/m³	
IOELV TWA (ppm)	20 ppm	
IOELV STEL (mg/m³)	290 mg/m³	
IOELV STEL (ppm)	50 ppm	
Notes	skin. SCOEL Recommendations (2007)	
8.2 Exposure controls		

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

and protection:	
rotective gloves	
ye protection:	
afety glasses	
kin and body protection:	
Vear suitable protective clothing	
espiratory protection:	
Vear respiratory protection.	

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Color : No data available Odor : No data available Odor threshold : No data available рΗ : No data available : No data available Relative evaporation rate (butyl acetate=1) Melting point : Not applicable

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Freezing point : No data available
Boiling point : No data available

Flash point : 58 °C

Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Not applicable
Vapor pressure : No data available
Relative vapor density at 20 °C : No data available
Relative density : 1.024 (1.014 - 1.034)

Solubility : Insoluble.

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Explosion limits : No data available

9.2. Other information

Refractive index : 1.485 (1.475 - 1.495)

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Toxic if inhaled.

OIL, STRAWBERRY* (N/A)

ATE CLP (vapors) 7.813 mg/l/4h

BENZYL SALICYLATE (118-58-1)	
LD50 oral rat	2227 mg/kg (Rat)
LD50 oral	2200 mg/kg body weight
LD50 dermal rabbit	14150 mg/kg (Rabbit)

DIETHYL PHTHALATE (84-66-2)	
LD50 oral rat	8600 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 7940 mg/kg (Rabbit, Dermal)
LC50 inhalation rat (mg/l)	> 5 mg/l (4 h, Rat, Inhalation)

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : May cause cancer.

Reproductive toxicity : Not classified

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STOT-single exposure : Not classified STOT-repeated exposure : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

acute)

Hazardous to the aquatic environment, long-term : Harmful to aquatic life with long lasting effects.

(chronic)

DIETHYL PHTHALATE (84-66-2)	
LC50 fish 1	17 ppm (96 h, Pimephales promelas, Flow-through system)
EC50 Daphnia 1	52 mg/l (48 h, Daphnia magna)
EC50 72h algae [mg/l] 1	23 mg/l (Scenedesmus subspicatus, Growth)
12.2. Persistence and degradability	
BENZYL SALICYLATE (118-58-1)	
Persistence and degradability	Biodegradability in water: no data available.

DIETHYL PHTHALATE (84-66-2)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
12.3. Bioaccumulative potential	
BENZYL SALICYLATE (118-58-1)	
Log Pow	4.31 (Estimated value)

DIETHYL PHTHALATE (84-66-2)	
BCF fish 1	15 - 16 (Mugil cephalus)
BCF fish 2	117.5 (504 h, Lepomis macrochirus)
BCF other aquatic organisms 1	1100 ppb (Ostreidae, Fresh weight)
BCF other aquatic organisms 2	340 - 450 ppb (Lamellibranchiata, Fresh weight)
Log Pow	1.4 - 2.82
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

DIETHYL PHTHALATE (84-66-2)

Surface tension 0.0375 N/m (20 °C)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : UN 1266 UN-No. (IMDG) : UN 1266 UN-No. (IATA) : UN 1266 UN-No. (ADN) : UN 1266 UN-No. (RID) : UN 1266

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14.2. UN proper shipping name

Proper Shipping Name (ADR) : PERFUMERY PRODUCTS
Proper Shipping Name (IMDG) : PERFUMERY PRODUCTS
Proper Shipping Name (IATA) : Perfumery products

Proper Shipping Name (ADN) : PERFUMERY PRODUCTS
Proper Shipping Name (RID) : PERFUMERY PRODUCTS

Transport document description (ADR) : UN 1266 PERFUMERY PRODUCTS, 3, III, (D/E) Transport document description (IMDG) : UN 1266 PERFUMERY PRODUCTS, 3, III

Transport document description (IATA) : UN 1266 Perfumery products, 3, III

Transport document description (ADN) : UN 1266 PERFUMERY PRODUCTS, 3, III
Transport document description (RID) : UN 1266 PERFUMERY PRODUCTS, 3, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3
Hazard labels (ADR) : 3



IMDG

Transport hazard class(es) (IMDG) : 3
Hazard labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3



ADN

Transport hazard class(es) (ADN) : 3
Hazard labels (ADN) : 3



RID

Transport hazard class(es) (RID) : 3
Hazard labels (RID) : 3



14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III

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Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provision (ADR) : 163
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions : T2

(ADR)

Portable tank and bulk container special provisions : TP1

(ADR)

Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30

Orange plates :

30 1266

Tunnel restriction code (ADR) : D/E EAC : •3YE

Transport by sea

Special provision (IMDG) : 163, 223, 904, 955

Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T2
Tank special provisions (IMDG) : TP1
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D
Stowage category (IMDG) : A

Properties and observations (IMDG) : Miscibility with water depends upon the composition.

Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y344 PCA limited quantity max net quantity (IATA) : 10L PCA packing instructions (IATA) : 355 PCA max net quantity (IATA) : 60L CAO packing instructions (IATA) : 366 CAO max net quantity (IATA) : 220L Special provision (IATA) : A3, A72 ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1
Special provision (ADN) : 163
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1

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: PP. EX. A Equipment required (ADN) : VE01 Ventilation (ADN) Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : F1 Special provision (RID) : 163 Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19 Portable tank and bulk container instructions (RID) : T2 Portable tank and bulk container special provisions : TP1

(RID)

Tank codes for RID tanks (RID) : LGBF Transport category (RID) . 3 Special provisions for carriage - Packages (RID) : W12 Colis express (express parcels) (RID) : CE4 Hazard identification number (RID) : 30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:		
Reference code	Applicable on	
28.	Naphtha, petroleum, hydrotreated heavy	
29.	Naphtha, petroleum, hydrotreated heavy	
3(a)	Naphtha, petroleum, hydrotreated heavy	
3(b)	Ethyl methylphenylglycidate; DIETHYL PHTHALATE; Naphtha, petroleum, hydrotreated heavy	
3(c)	Ethyl methylphenylglycidate; DIETHYL PHTHALATE; Methyl ester of rosin (partially hydrogenated); Naphtha, petroleum, hydrotreated heavy	
40.	Naphtha, petroleum, hydrotreated heavy	

Contains no REACH candidate substance

Contains no REACH Annex XIV substances.

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

12th Ordinance Implementing the Federal : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance) Immission Control Act - 12.BlmSchV

Netherlands

SZW-lijst van kankerverwekkende stoffen : HERCOLYN D, ISO PAR H are listed SZW-lijst van mutagene stoffen : HERCOLYN D, ISO PAR H are listed NIET-limitatieve lijst van voor de voortplanting : None of the components are listed giftige stoffen - Borstvoeding

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen - Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen - Ontwikkeling

Class for fire hazard : Class III-1 Store unit : 50 liter

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Classification remarks	: Flammable according to the Danish Ministry of Justice; Emergency management
	guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

> Pregnant/breastfeeding women working with the product must not be in direct contact with the product

The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-phrases:		
Acute Tox. 3 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 3	
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3	
Asp. Tox. 1	Aspiration hazard Category 1	
Carc. 1B	Carcinogenicity Category 1B	
Flam. Liq. 3	Flammable liquids Category 3	
Muta. 1B	Germ cell mutagenicity Category 1B	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
Skin Sens. 1	Skin sensitization, Category 1	
Skin Sens. 1B	Skin sensitization, category 1B	
STOT SE 3	Specific target organ toxicity (single exposure) Category 3	
H226	Flammable liquid and vapour	
H304	May be fatal if swallowed and enters airways	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H331	Toxic if inhaled	
H336	May cause drowsiness or dizziness	
H340	May cause genetic defects	
H350	May cause cancer	
H411	Toxic to aquatic life with long lasting effects	
H412	Harmful to aquatic life with long lasting effects	

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.