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

1.1 Product identifier

febi 49700 - Gear oil DCTF-2 Article number: 49700

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

1.2.1 Relevant uses

Gearbox oil

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Ferdinand Bilstein GmbH + Co. KG

Wilhelmstr. 47

58256 Ennepetal / GERMANY Phone +49 2333 911-0 Fax +49 2333 911-444 Homepage www.febi.com E-mail info@febi.com

Address enquiries to

Technical information info@febi.com
Safety Data Sheet info@febi.com

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

No classification.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictogramsnoneSignal wordnoneHazard statementsnonePrecautionary statementsnone

Special labelling EUH210 Safety data sheet available on request.

Contains: 1,1'-[iminobis(ethyleneiminoethylene)]bis[3-(octadecenyl)pyrrolidine-2,5-dione],

Maleic anhydride. EUH208 May produce an allergic reaction.

2.3 Other hazards

Environmental hazards Does not contain any PBT or vPvB substances.

Other hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

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3.2 Mixtures

The product is a mixture.

Range [%]	Substance				
50 - < 90	1-Decene, homopolymer, hydrogenated				
	CAS: 68037-01-4, EINECS/ELINCS: 500-183-1, Reg-No.: 01-2119486452-34-XXXX				
	GHS/CLP: Asp. Tox. 1: H304				
10 - < 20	1-Decene, Dimer, hydrogenated				
	CAS: 68649-11-6, EINECS/ELINCS: 500-228-5, Reg-No.: 01-2119493069-28-XXXX				
	GHS/CLP: Acute Tox. 4: H332 - Asp. Tox. 1: H304				
1 - < 10	Distillates (petroleum), hydrotreated light paraffinic				
	CAS: 64742-55-8, EINECS/ELINCS: 265-158-7, EU-INDEX: 649-468-00-3, Reg-No.: 01-2119487077-29-XXXX				
	GHS/CLP: Asp. Tox. 1: H304				
1 - < 5	Isooctadecanoic acid, reaction products with tetraethylenepentamine				
	CAS: 68784-17-8, EINECS/ELINCS: 272-225-4, Reg-No.: 01-2119960832-33-XXXX				
	GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319				
0,1 - < 1	1,1'-[iminobis(ethyleneiminoethylene)]bis[3-(octadecenyl)pyrrolidine-2,5-dione]				
	CAS: 64051-50-9, EINECS/ELINCS: 264-637-8				
	GHS/CLP: Skin Sens. 1B: H317 - Aquatic Chronic 3: H412				
0,0001 - < 0,001	Maleic anhydride				
	CAS: 108-31-6, EINECS/ELINCS: 203-571-6, EU-INDEX: 607-096-00-9, Reg-No.: 01-2119472428-31-XXXX				
	GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Skin Sens. 1A: H317 - Resp. Sens. 1: H334 - STOT RE 1: H372 - EUH071				
	SCL [%]: >=0,001: Skin Sens. 1A: H317				

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.

For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Ensure supply of fresh air.

In the event of symptoms seek medical treatment.

Skin contact When in contact with the skin, clean with soap and water.

Consult a doctor if skin irritation persists.

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.

Ingestion Seek medical advice immediately.

Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

If swallowed or in the event of vomiting, risk of product entering the lungs.

Forward this sheet to your doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Foam, dry powder, water spray jet, carbon dioxide.

Extinguishing media that must not

be used

Full water jet.

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5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within

the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Some risk of slipping due to spillage of product.

Forms slippery surfaces with water.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. oil binder).

Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid formation of aerosols.

Use only in well-ventilated areas.

The product is combustible.

Do not eat, drink or smoke when using this product.

After worktime and before work breaks the affected skin areas must be thoroughly cleaned.

Use barrier skin cream.

Cloths contaminated with product should not be kept in trouser pockets.

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

Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Prevent penetration into the ground.

Do not store together with food and animal food/diet.

Keep container in a well-ventilated place.

Keep container tightly closed.

7.3 Specific end use(s)

See product use, SECTION 1.2

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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Substance

1-Decene, homopolymer, hydrogenated

CAS: 68037-01-4, EINECS/ELINCS: 500-183-1, Reg-No.: 01-2119486452-34-XXXX

Long-term exposure: 5 mg/m³, OSHA PEL

Distillates (petroleum), hydrotreated light paraffinic

CAS: 64742-55-8, EINECS/ELINCS: 265-158-7, EU-INDEX: 649-468-00-3, Reg-No.: 01-2119487077-29-XXXX

Long-term exposure: 5 mg/m³, ACGIH TLV (OIL MIST)

Maleic anhydride

CAS: 108-31-6, EINECS/ELINCS: 203-571-6, EU-INDEX: 607-096-00-9, Reg-No.: 01-2119472428-31-XXXX

Long-term exposure: 1 mg/m³, Sen

Short-term exposure (15-minute): 3 mg/m³

DNEL

Substance
1-Decene, Dimer, hydrogenated, CAS: 68649-11-6
Industrial, inhalative, Acute - systemic effects, 60 mg/m³
general population, inhalative, Acute - systemic effects, 50 mg/m³
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
Industrial, inhalative, Long-term - local effects, 5,58 mg/m³
Industrial, inhalative, Long-term - systemic effects, 2,73 mg/m³
Industrial, dermal, Long-term - systemic effects, 0,97 mg/kg bw/day
general population, oral, Long-term - systemic effects, 0,74 mg/kg bw/day
Maleic anhydride, CAS: 108-31-6
Industrial, dermal, Acute - systemic effects, 200 μg/kg bw/day
Industrial, dermal, Long-term - systemic effects, 200 μg/kg bw/day
Industrial, inhalative, Long-term - systemic effects, 81 μg/m³
Industrial, inhalative, Acute - systemic effects, 200 μg/m³
Industrial, inhalative, Long-term - local effects, 81 μg/m³
Industrial, inhalative, Acute - local effects, 200 μg/m³
general population, inhalative, Long-term - local effects, 80 μg/m³
general population, oral, Acute - systemic effects, 100 μg/kg bw/day
general population, dermal, Long-term - systemic effects, 100 μg/kg bw/day
general population, inhalative, Long-term - systemic effects, 50 μg/m³
general population, dermal, Acute - systemic effects, 100 μg/kg bw/day
general population, oral, Long-term - systemic effects, 60 μg/kg bw/day
Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: 68784-17-8
Industrial, dermal, Long-term - systemic effects, 3,33 mg/kg bw/day
Industrial, inhalative, Long-term - systemic effects, 11,75 mg/m³
general population, oral, Long-term - systemic effects, 1,67 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 1,67 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 2,9 mg/m³

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Substance
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
oral (food), 9,33 mg/kg food
Maleic anhydride, CAS: 108-31-6
soil, 0,037 mg/kg soil dw
sediment (seawater), 0,03 mg/kg sediment dw
sediment (freshwater), 0,296 mg/kg sediment dw
sewage treatment plants (STP), 44,6 mg/L
seawater, 0,004 mg/L
freshwater, 0,038 mg/L
Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: 68784-17-8
oral (food), 33,3 mg/kg food 0,46 mg/L 0,46 mg/L 0,46 mg/L 0,46 mg/L
soil, 10 mg/kg soil dw 0,46 mg/L 0,46 mg/L 0,46 mg/L 0,46 mg/L
sediment (seawater), 3810 mg/kg sediment dw 0,46 mg/L 0,46 mg/L 0,46 mg/L
sediment (freshwater), 38100 mg/kg sediment dw 0,46 mg/L 0,46 mg/L 0,4
sewage treatment plants (STP), 1000 mg/L 0,46 mg/L 0,46 mg/L 0,46 mg/L
sediment (seawater), 0,046 mg/L 0,46 mg/L 0,46 mg/L 0,46 mg/L 0,46 mg/L
freshwater, 0.46 mg/L

8.2 Exposure controls

Additional advice on system design Ensure adequate ventilation on workstation.

Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of

hazardous substances.

Eye protection Safety glasses. (EN 166:2001)

Hand protection The details concerned are recommendations. Please contact the glove supplier for further

information.

> 0,4mm: Nitrile rubber, >120 min (EN 374-1/-2/-3).

> 0,4mm: butyl rubber, > 120 min (EN 374)

light protective clothing Skin protection

Other Personal protective equipment should be selected specifically for the working place,

depending on concentration and quantity handled. The resistance of this equipment to

chemicals should be ascertained with the respective supplier.

Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin.

Respiratory protection Breathing apparatus in the event of aerosol or mist formation.

Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)

Thermal hazards No information available.

Delimitation and monitoring of the

environmental exposition

Comply with applicable environmental regulations limiting discharge to air, water and soil.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical stateliquidColorlight yellowOdorcharacteristic

Odour threshold No information available.

pH-value not applicablepH-value [1%] not applicableBoiling point [°C] not applicable

Flash point [°C] 205

Flammability (solid, gas) [°C] Not explosive.

Lower explosion limit not applicable

Upper explosion limit not applicable

Oxidising properties no

Vapour pressure/gas pressure [kPa] not determined

Density [g/cm³] 0,83 (15 °C / 59,0 °F)

Relative density not determined

Bulk density [kg/m³] not applicable

Solubility in water virtually insoluble

Solubility other solvents No information available.

Partition coefficient [n-octanol/water] No information available.

Kinematic viscosity 23,5 mm²/s 40°C

Relative vapour density

No information available.

Evaporation speed

No information available.

Melting point [°C]

No information available.

Auto-ignition temperature not applicable

Decomposition temperature [°C]No information available.Particle characteristicsNo information available.

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

No special measures necessary.

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10.5 Incompatible materials

Strong oxidizing agent. Strong acids.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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SECTION 11: Toxicological information

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

>5000 mg/kg bw (OECD 40

Product	
ATE-mix, oral, > 5000 mg/kg bw	

ATE-mix, oral, > 5000 mg/kg bw
Substance
1-Decene, Dimer, hydrogenated, CAS: 68649-11-6
LD50, oral, Rat, > 5000 mg/l
1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4
LD50, oral, Rat, >5000 mg/kg, no adverse effect observed
LD50, oral, Rat, 2000 - 5000 mg/kg bw
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
LD50, oral, Rat, 5000 mg/kg bw
Maleic anhydride, CAS: 108-31-6
LD50, oral, Rat, 1090 mg/kg bw
Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: 68784-17-8
LD50, oral, Rat, >5000 mg/kg bw (OECD 401)

Acute dermal toxicity

Product	
ATE-mix, dermal, 102.244 mg/kg bw	

Substance
1-Decene, Dimer, hydrogenated, CAS: 68649-11-6
LD50, dermal, Rabbit, > 3000 mg/l
1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4
LD50, dermal, Rat, >2000 mg/kg bw, OECD 402
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
LD50, dermal, Rabbit, 2000 - 5000 mg/kg bw
Maleic anhydride, CAS: 108-31-6
LD50, dermal, Rabbit, 2620 mg/kg bw
Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: 68784-17-8
LD50, dermal, Rabbit, >2000 mg/kg bw (OECD 402) >5000 mg/kg bw (OECD 40

Acute inhalational toxicity

oxicity	
Product	
ATE-mix, inhalativ (mist), 14,93 mg/l	
Substance	
-Decene, Dimer, hydrogenated, CAS: 68649-11-6	
.C50, inhalative, Rat, >1,81 mg/l 4h	
-Decene, homopolymer, hydrogenated, CAS: 68037-01-4	

LC50, inhalative, Rat, >5.2 mg/L air, OECD 403, no adverse effect observed

Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8

LC50, inhalative, Rat, 2.18 - 5.53 mg/L air, 4h

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Serious eye damage/irritation

Based on the available information, the classification criteria are not fulfilled.

Substance

1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4

OECD 404, non-irritating

Skin corrosion/irritation

Based on the available information, the classification criteria are not fulfilled.

Substance

1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4

OECD 405, non-irritating

Respiratory or skin sensitisation

Toxicological data of complete product are not available.

May produce an allergic reaction.

Calculation method

Substance

1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4

non-sensitizing

Specific target organ toxicity — single exposure

Based on the available information, the classification criteria are not fulfilled.

Specific target organ toxicity — repeated exposure

Based on the available information, the classification criteria are not fulfilled.

Substance

1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4

oral, Rat, no adverse effect observed

Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8

LOAEL, oral, Rat, 125 mg/kg bw/day

Maleic anhydride, CAS: 108-31-6

NOAEL, oral, Dog, 60 mg/kg bw/day (subchronic), no adverse effect observed

NOAEC, inhalative, Rat, 3,3 mg/m³ (subchronic), adverse effect observed

Mutagenicity

Based on the available information, the classification criteria are not fulfilled.

Substance

1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4

no adverse effect observed

Reproduction toxicity

Based on the available information, the classification criteria are not fulfilled.

Substance

1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4

No information available.

Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8

NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed

Maleic anhydride, CAS: 108-31-6

NOAEL, oral, Rat, 140 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed

NOAEL, oral, Rat, 55 mg/kg bw/d (Effect on fertility), no adverse effect observed

Carcinogenicity

Based on the available information, the classification criteria are not fulfilled.

Substance

1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4



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No information available.

Maleic anhydride, CAS: 108-31-6

NOAEL, oral, Rat, 100 mg/kg bw/day, no adverse effect observed

Aspiration hazard

Based on the available information, the classification criteria are not fulfilled.

General remarks

Toxicological data of complete product are not available.

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

11.2 Information on other hazards

Endocrine disrupting properties No information available.

Other information nor

SECTION 12: Ecological information

12.1 Toxicity

	Product				
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Based on the available information, the classification criteria are not fulfilled.

Substance

EC50, (48h), Daphnia magna, > 1000 mg/l

1-Decene, Dimer, hydrogenated, CAS: 68649-11-6

EL50, (72h), Algae, >1000 mg/l

NOELR, (21d), Daphnia magna, 125 mg/l

LL50, (96h), Oncorhynchus mykiss, >1000 mg/l

1-Decene, homopolymer, hydrogenated, CAS: 68037-01-4

EL50, (48h), Invertebrates, >1000mg/L

NOELR, (21d), Invertebrates, 125mg/L

NOELR, (72h), Algae, 1000 mg/L

LL50, (96h), fish, >1000mg/L

Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8

NOELR, (14d), fish, 1 g/L

LL50, (96h), Invertebrates, 10 g/L

LL50, (96h), fish, 100 mg/L

Maleic anhydride, CAS: 108-31-6

LC50, (96h), fish, 75 mg/L

EC50, (72h), Algae, 74.35 - 150 mg/L

EC50, (48h), Invertebrates, 42,81 - 330 mg/L

Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: 68784-17-8

LC50, (96h), Pimephales promelas, >1000 mg/L (OECD 203)

>1000 mg/L (OECD 203)

EC50, (48h), Daphnia magna, >1000 mg/L (OECD 202)

>1000 mg/L (OECD 203)

EC50, (96h), Pseudokirchneriella subcapitata, 44 mg/L (OECD 201)

>1000 mg/L (OECD 203)

EL50, (14d), Daphnia magna, 72 mg/L (OECD 211)

>1000 mg/L (OECD 203)

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12.2 Persistence and degradability

Does not contain a relevant substance that meets the classification criteria.

Behaviour in environment

compartments

not determined

Behaviour in sewage plant not determined Biological degradability not determined

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment or into the drainage.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.

In according to RoHS!

Waste no. (recommended) 130206*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110* packaging containing residues of or contaminated by hazardous substances

150102 150104

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SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID

not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with not applicable

IMDG

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to

ADR/RID

NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

IMDG

Marine transport in accordance with NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to

ADR/RID

not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with not applicable

IMDG

Air transport in accordance with IATA not applicable

14.4 Packing group

Transport by land according to

ADR/RID

not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with

IMDG

not applicable

Air transport in accordance with IATA not applicable

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14.5 Environmental hazards

Transport by land according to

ADR/RID

no

Inland navigation (ADN)

no

Marine transport in accordance with

IMDG

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS 2008/98/EC 2000/532/EC); 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006

(REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131;

(EU) 517/2014

TRANSPORT-REGULATIONS ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2022)

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK

REACH; GB CLP.

- Observe employment restrictions

for people

no

- VOC (2010/75/CE) <1 %

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

EUH071 Corrosive to the respiratory tract.

H372 Causes damage to organs through prolonged or repeated exposure.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H318 Causes serious eye damage.

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

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16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ATE = acute toxicity estimate CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging

DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration

ECB = European Chemicals Bureau EEC = European Economic Community

EINECS = European Inventory of Existing Commercial Chemical Substances

EL50 = Median effective loading

ELINCS = European List of Notified Chemical Substances

EmS = Emergency Schedules

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC-Code = International Code for the Construction and Equipment of Ships carrying

Dangerous Chemicals in Bulk IC50 = Inhibition concentration, 50%

IMDG = International Maritime Code for Dangerous Goods

IUCLID = International Uniform ChemicaL Information Database
IVIS = In vitro irritation score

LC50 = Lethal concentration, 50% LD50 = Median lethal dose

LC0 = lethal concentration, 0% LOAEL = lowest-observed-adverse-effect level

LL50 = Median lethal loading LQ = Limited Quantities

MARPOL = International Convention for the Prevention of Marine Pollution from Ships

NOAEL = No Observed Adverse Effect Level NOEC = No Observed Effect Concentration

PBT = Persistent, Bioaccumulative and Toxic substance

PNEC = Predicted No-Effect Concentration

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

STP = Sewage Treatment Plant

TLV®/TWA = Threshold limit value – time-weighted average TLV®STEL = Threshold limit value – short-time exposure limit

VOC = Volatile Organic Compounds

vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Modified position SECTION 3 been added: Maleic anhydride

SECTION 3 been added: Distillates (petroleum), hydrotreated light paraffinic