

**Condocut KNR 22**

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

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

**1.1 Product identifier**

Trade name	<b>Condocut KNR 22</b>
Registration number (REACH)	Not relevant (mixture)

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

Relevant identified uses	Lubricants, greases, release products
--------------------------	---------------------------------------

**1.3 Details of the supplier of the safety data sheet**

FRIEDRICH SCHARR KG  
Liebknechtstraße 50  
70565 Stuttgart  
Germany

Telephone: +49 711 7868-0  
Telefax: +49 711 7868-489  
e-mail: info@scharr.de  
Website: www.scharr.de

e-mail (competent person)	produktsicherheit@scharr.de (Produktsicherheit)
---------------------------	---

**1.4 Emergency telephone number**

Emergency information service	+49 (0)711 7868-237 This number is only available during the following office hours: Mon-Fri 07:00 - 17:00
-------------------------------	---

Poison centre			
Country	Name	Postal code/city	Telephone
Austria	Vergiftungsinformationszentrale Poisons Information Centre	1090 Wien	+43 (0)1 406 43 43
Germany	Giftnformation Freiburg	79106 Freiburg im Breisgau	+49 (0)761 19240

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 (CLP)  
This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008 (CLP)  
not required

**2.3 Other hazards**

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

**Condocut KNR 22**

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020





**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not relevant (mixture)

**3.2 Mixtures**

Hazardous ingredients

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Phosphorodithioic acid, mixed O,O-bis(2-ethyl-hexyl and iso-Bu and pentyl) esters, zinc salts	CAS No 68988-45-4  EC No 273-527-9  REACH Reg. No 01-2119964477-23-xxxx	0,275 – 1,3	Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Chronic 2 / H411	 
Long-chain alkenyl amide	EC No 947-263-6  REACH Reg. No 01-2120761103-66-xxxx	0,025 – 0,2	Skin Irrit. 2 / H315 Repr. 2 / H361 Aquatic Chronic 4 / H413	 

Hazardous ingredients acc. to EU regulation, Consideration of other advice

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

For full text of abbreviations: see SECTION 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Self-protection of the first aider.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a doctor.

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

Breathing difficulties. Headache. Vertigo.

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

Subsequent observance for pneumonia and pulmonary oedema. Supervise the blood circulation.

## Condocut KNR 22

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO<sub>2</sub>), Sand

Unsuitable extinguishing media

Water jet

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

Danger of bursting container.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Phosphorus oxides (P<sub>x</sub>O<sub>y</sub>), Sulphur dioxide (SO<sub>2</sub>)

#### 5.3 Advice for firefighters

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.

### SECTION 6: Accidental release measures

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

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Provision of sufficient ventilation.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

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.

## Condocut KNR 22

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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

- specific designs for storage rooms or vessels

- Lagerklasse (storage class according to TRGS 510, 10 (combustible liquids) Germany)

#### 7.3 Specific end use(s)

See section 16 for a general overview.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

This information is not available.

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
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	DNEL	6,8 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	DNEL	9,6 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Long-chain alkenyl amide		DNEL	3,72 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
Long-chain alkenyl amide		DNEL	1,04 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	PNEC	0,002 mg/l	aquatic organisms	freshwater	short-term (single instance)

**Condocut KNR 22**

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	PNEC	100 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	PNEC	405,2 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	PNEC	40,52 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	PNEC	486,3 mg/kg	terrestrial organisms	soil	short-term (single instance)
Long-chain alkenyl amide		PNEC	0,496 mg/l	aquatic organisms	freshwater	short-term (single instance)
Long-chain alkenyl amide		PNEC	0,05 mg/l	aquatic organisms	marine water	short-term (single instance)
Long-chain alkenyl amide		PNEC	100 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Long-chain alkenyl amide		PNEC	3.772.831 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Long-chain alkenyl amide		PNEC	377.283 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Long-chain alkenyl amide		PNEC	3.935.352 mg/kg	terrestrial organisms	soil	short-term (single instance)

## 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

## Condocut KNR 22

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

### Skin protection

#### - hand protection

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.

#### - type of material

NBR: acrylonitrile-butadiene rubber

#### - material thickness

0,4 mm

#### - breakthrough times of the glove material

>240 minutes (permeation: level 5)

#### - protective gloves - splash protection

Type of material nitrile

#### - other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### 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
Colour	yellow
Odour	characteristic

#### Other safety parameters

pH (value)	not determined
Melting point/freezing point	<-10 °C at 1.013 hPa
Initial boiling point and boiling range	>250 °C
Flash point	>145 °C
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)

**Condocut KNR 22**

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

**Explosive limits**

- lower explosion limit (LEL)	0,6 vol%
- upper explosion limit (UEL)	6,5 vol%
Vapour pressure	<0,01 kPa at 20 °C
Density	0,855 g/cm <sup>3</sup> at 15 °C
Vapour density	this information is not available
Solubility(ies)	not determined

**Partition coefficient**

- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	>250 °C

**Viscosity**

- kinematic viscosity	22 mm <sup>2</sup> /s at 40 °C
Explosive properties	none
Oxidising properties	none

**9.2 Other information**

Temperature class (EU, acc. to ATEX)	T3 (maximum permissible surface temperature on the equipment: 200°C)
--------------------------------------	--

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

**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**

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture.

**10.4 Conditions to avoid**

There are no specific conditions known which have to be avoided.

**10.5 Incompatible materials**

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.

## Condocut KNR 22

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

##### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

##### Acute toxicity

Shall not be classified as acutely toxic.

##### 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

Shall not be classified as a respiratory or skin sensitiser.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

##### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

##### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

##### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

##### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.  
Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	LC50	46 mg/l	fish	96 h



**Condocut KNR 22**

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	LL50	4,5 mg/l	fish	96 h
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	EC50	5,4 mg/l	aquatic invertebrates	48 h
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	ErC50	2,1 mg/l	algae	72 h
Long-chain alkenyl amide		LC50	>1.000 mg/l	fish	96 h
Long-chain alkenyl amide		EC50	>1.000 mg/l	aquatic invertebrates	24 h
Long-chain alkenyl amide		ErC50	496 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and pentyl) esters, zinc salts	68988-45-4	EC50	>10.000 mg/l	microorganisms	3 h
Long-chain alkenyl amide		EC50	>1.000 mg/l	microorganisms	3 h

**Biodegradation**

Data are not available.

**12.2 Persistence and degradability**

Data are not available.

**12.3 Bioaccumulative potential**

Data are not available.

**12.4 Mobility in soil**

Data are not available.

**12.5 Results of PBT and vPvB assessment**

Data are not available.

**12.6 Other adverse effects**

Data are not available.

**Condocut KNR 22**

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

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

**Relevant provisions relating to waste**

Mineral based non-chlorinated hydraulic oils 13 01 10\*

**Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

**SECTION 14: Transport information**

- |  |   |
|--|---|
| <b>14.1 UN number</b>  | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>  | not relevant  |
| <b>14.3 Transport hazard class(es)</b>   | none  |
| <b>14.4 Packing group</b>  | not assigned to a packing group                                       |
| <b>14.5 Environmental hazards</b>  | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                                       | There is no additional information.                                   |
| <b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code</b> | The cargo is not intended to be carried in bulk.                      |

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

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

Not subject to ADR, RID and ADN.

**International Maritime Dangerous Goods Code (IMDG)**

Not subject to IMDG.

**International Civil Aviation Organization (ICAO-IATA/DGR)**

Not subject to ICAO-IATA.

**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)**

**VOC Deco-Paint Directive 2004/42/EC**

VOC content	1 %
-------------	-----

**Condocut KNR 22**

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

**Directive on industrial emissions (VOCs, 2010/75/EU)**

VOC content	1 %
-------------	-----

**National regulations (Austria)**

Ordinance on combustible liquids (VbF) not applicable (mass fraction of liquids with a flash point of more than 100° C or of solids is higher than 30 %)

**National regulations (Germany)**

**Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV)**

Wassergefährdungsklasse, WGK 1 slightly hazardous to water  
(water hazard class)

**National regulations Switzerland**

**Ordinance on the incentive tax on volatile organic compounds (VOCV)**

The product is exempt from the tax. Product in which the VOC content does not exceed 3 per cent (% by weight).

**15.2 Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**Indication of changes (revised safety data sheet)**

Section	Former entry (text/value)	Actual entry (text/value)
2.1	Additional information: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.	
2.3	Other hazards: of no significance	Other hazards
3.2		Hazardous ingredients
3.2		Hazardous ingredients: change in the listing (table)
3.2	Hazardous ingredients acc. to EU regulation, Consideration of other advice: This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.	Hazardous ingredients acc. to EU regulation, Consideration of other advice: This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC. For full text of abbreviations: see SECTION 16.
8.1	Control parameters: These information are not available.	Control parameters: This information is not available.
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)
8.2		Type of material: NBR: acrylonitrile-butadiene rubber
8.2		Material thickness: 0,4 mm
8.2		Breakthrough times of the glove material: >240 minutes (permeation: level 5)
8.2		Protective gloves Splash protection

**Condocut KNR 22**

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

Section	Former entry (text/value)	Actual entry (text/value)
8.2		Type of material: nitrile
12.1	Toxicity: Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Water hazard class - WHC (Wassergefährdungsklasse): 1, Classification acc. to annex 3/annex 4 (VwVwS), slightly hazardous to water (Germany)	Toxicity: Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment. Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)
14.3	Transport hazard class(es)	Transport hazard class(es): none
14.3	Class: -	
14.4	Packing group: not relevant	Packing group: not assigned to a packing group
14.5	Environmental hazards	Environmental hazards: non-environmentally hazardous acc. to the dangerous goods regulations
15.1	Water hazard class - WHC (Wassergefährdungsklasse): 1 slightly hazardous to water - classification acc. to annex 3/annex 4 (VwVwS)	Wassergefährdungsklasse, WGK (water hazard class): 1 slightly hazardous to water

**Abbreviations and acronyms**

Abbr.	Descriptions of used abbreviations
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 Chronic	Hazardous to the aquatic environment - chronic hazard
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
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)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
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

## Condocut KNR 22

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

Abbr.	Descriptions of used abbreviations
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
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
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration 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")
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
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
TRGS	Technische Regeln für Gefahrstoffe (technical rules for hazardous substances, Germany)
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

### 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: The classification is based on tested mixture.

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)

**Condocut KNR 22**

Version number: 2.0  
Replaces version of: 19.04.2016 (1)

Revision: 29.01.2020

Code	Text
H315	Causes skin irritation.
H318	Causes serious eye damage.
H361	Suspected of damaging fertility or the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**Disclaimer**

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