

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

1.1 Product identifier

Trade name: **DOUBLE COAT SPRAYTHINNER**

Article number: 802

UFI: G3R0-G0C9-8002-031V

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

Sector of Use
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU19 Building and construction work

Product category PC9a Coatings and paints, thinners, paint removers

Process category PROC19 Manual activities involving hand contact

Environmental release category ERC5 Use at industrial site leading to inclusion into/onto article

ERC8c Widespread use leading to inclusion into/onto article (indoor)

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

Article category AC13 Plastic articles

Application of the substance / the mixture

See our technical datasheet for application details of this product.
Thinner, Diluent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: De IJssel Coatings BV, Centrumbaan 960, NL 2841 MH Moordrecht
Tel: +31 182 372177, E-mail: info@de-ijssel-coatings.nl

Further information obtainable from:

Research and Development.


1.4 Emergency telephone number:

De IJssel Coatings BV, Tel. +31 182 372177, E-mail: safety@de-ijssel-coatings.nl
Office hours: working days from 08:00 to 17:00 hrs.


SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

 GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

 GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

 GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms

The product is classified and labelled according to the CLP regulation.

  
GHS02 GHS07 GHS08

Signal word

Danger

Hazard-determining components of labelling:

Reactiemassa van ethylbenzeen en xyleen
butanone

2-ethoxy-1-methylethyl acetate

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

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P103	Read carefully and follow all instructions.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331	Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· 2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients**· 3.2 Chemical characterisation: Mixtures**

- Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43	butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	25 – 50%
CAS: 54839-24-6 EINECS: 259-370-9 Index number: 603-177-00-8 Reg.nr.: 01-2119475116-39	2-ethoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	25 – 50%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	10 – 25%
EC number: 905-588-0 Reg.nr.: 01-2119488216-32	Reactiemassa van ethylbenzeen en xyleen ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	10 – 25%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**· 4.1 Description of first aid measures**

- General information: Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures**· 5.1 Extinguishing media**

- Suitable extinguishing agents: CO₂ or powder. Fight larger fires with alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet

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- **5.2 Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections** See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- Storage: Store in a cool location.
- Requirements to be met by storerooms and receptacles: Not required.
- Information about storage in one common storage facility: Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- Further information about storage conditions: Recommended storage temperature: 5 - 30 °C
- **7.3 Specific end use(s)** No further relevant information available.

*** SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
- Additional information about design of technical facilities: No further data; see item 7.

· Ingredients with limit values that require monitoring at the workplace:		
78-93-3 butanone		
IOELV	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm	
123-86-4 n-butyl acetate		
IOELV	Short-term value: 723 mg/m ³ , 150 ppm Long-term value: 241 mg/m ³ , 50 ppm	
· DNEL (Derived No Effect Level) for workers		
78-93-3 butanone		
Dermal	Long-term - systemic effects, worker	1,161 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, worker	600 mg/m ³ (Worker)
54839-24-6 2-ethoxy-1-methylethyl acetate		
Dermal	Long-term - systemic effects, worker	103 mg/kg bw/day (Worker)

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Inhalative	Acute - systemic effects, worker	608 mg/m ³ (Worker)
	Long-term - systemic effects, worker	302 mg/m ³ (Worker)
123-86-4 n-butyl acetate		
Inhalative	Acute - systemic effects, worker	960 mg/m ³ (Worker)
	Acute - local effects, worker	960 mg/m ³ (Worker)
	Long-term - systemic effects, worker	480 mg/m ³ (Worker)
	Long-term - local effects, worker	480 mg/m ³ (Worker)
Reactiemassa van ethylbenzeen en xyleen		
Dermal	Long-term - systemic effects, worker	180 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, worker	77 mg/m ³ (Worker)
· DNEL (Derived No Effect Level) for the general population		
78-93-3 butanone		
Oral	Long-term - systemic effects, general population	31 mg/kg bw/day (General population)
Dermal	Long-term - systemic effects, general population	412 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, general population	106 mg/m ³ (General population)
54839-24-6 2-ethoxy-1-methylethyl acetate		
Oral	Long-term - systemic effects, general population	13.1 mg/kg bw/day (General population)
Dermal	Long-term - systemic effects, general population	62 mg/kg bw/day (General population)
Inhalative	Acute - systemic effects, general population	365 mg/m ³ (General population)
	Long-term - systemic effects, general population	181 mg/m ³ (General population)
123-86-4 n-butyl acetate		
Inhalative	Acute - systemic effects, general population	859.7 mg/m ³ (General population)
	Acute - local effects, general population	859.7 mg/m ³ (General population)
	Long-term - systemic effects, general population	102.34 mg/m ³ (General population)
	Long-term - local effects, general population	102.34 mg/m ³ (General population)
Reactiemassa van ethylbenzeen en xyleen		
Oral	Long-term - systemic effects, general population	1.6 mg/kg bw/day (General population)
Dermal	Long-term - systemic effects, general population	108 mg/kg bw/day (General population)
Inhalative	Acute - local effects, general population	289 mg/m ³ (Worker)
	Long-term - systemic effects, general population	14.8 mg/m ³ (General population)
· PNEC (Predicted No Effect Concentration) values		
78-93-3 butanone		
Aquatic compartment - freshwater		55.8 mg/l (Freshwater)
Aquatic compartment - marine water		55.8 mg/l (Marine water)
Aquatic compartment - sediment in freshwater		284.74 mg/kg sed dw (Sediment freshwater)
Aquatic compartment - sediment in marine water		287.7 mg/kg sed dw (Sediment marine water)
Terrestrial compartment - soil		22.5 mg/kg dw (Soil)
54839-24-6 2-ethoxy-1-methylethyl acetate		
Aquatic compartment - freshwater		1.3 mg/l
Aquatic compartment - marine water		0.13 mg/l
Aquatic compartment - sediment in freshwater		6.4 mg/kg sed dw
Aquatic compartment - sediment in marine water		1.34 mg/kg sed dw
Terrestrial compartment - soil		1.34 mg/kg dw
Sewage treatment plant		62.5 mg/l
123-86-4 n-butyl acetate		
Aquatic compartment - freshwater		0.18 mg/l (Freshwater)
Aquatic compartment - marine water		0.018 mg/l (Marine water)
Aquatic compartment - water, intermittent releases		0.36 mg/l (Intermittent release water)
Aquatic compartment - sediment in freshwater		0.981 mg/kg sed dw (Sediment freshwater)
Aquatic compartment - sediment in marine water		0.0981 mg/kg sed dw (Sediment marine water)
Terrestrial compartment - soil		0.0903 mg/kg dw (Soil)
Sewage treatment plant		35.6 mg/l (stp)

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Reactiemassa van ethylbenzeen en xyleen	
Aquatic compartment - freshwater	0.327 mg/l (Freshwater)
Aquatic compartment - marine water	0.327 mg/l (Marine water)
Aquatic compartment - sediment in freshwater	12.46 mg/kg sed dw (Sediment freshwater)
Aquatic compartment - sediment in marine water	12.46 mg/kg sed dw (Sediment marine water)
Terrestrial compartment - soil	2.31 mg/kg dw (Soil)
Sewage treatment plant	6.58 mg/l (stp)

- Additional information: The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- Personal protective equipment:
- General protective and hygienic measures:
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Store protective clothing separately.
 - Avoid contact with the eyes and skin.
- Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands:
 - Protective gloves
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves:
 - Nitrile rubber, NBR
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
 - Recommended thickness of the material: ≥ 0.3 mm
- Penetration time of glove material:
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).
- For the permanent contact gloves made of the following materials are suitable:
 - Nitrile rubber, NBR
- As protection from splashes gloves made of the following materials are suitable:
 - Nitrile rubber, NBR
- Not suitable are gloves made of the following materials:
 - Leather gloves
 - Strong material gloves
- Eye protection:
 - Tightly sealed goggles

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value at 20 °C:	7
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	79 – 80.5 °C
· Flash point:	-4 °C (Pensky Martens, ASTM D93)

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· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	370 °C
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	11.5 Vol %
· Vapour pressure at 20 °C:	105 hPa
· Density at 20 °C:	0.87 g/cm ³ (DIN 51757, ASTM D 1298)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic at 20 °C:	1 mPas (Brookfield, ASTM D1544)
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	85.0 %
VOC (2004/42/EC):	85.00 %
Solids content:	0.5 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

*** SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- Acute toxicity Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:

Components	Type	Value	Species
ATE (Acute Toxicity Estimates)			
Dermal	LD50	7,333 mg/kg	
78-93-3 butanone			
Oral	LD50	3,300 mg/kg (Rat)	
Dermal	LD50	5,000 mg/kg (Rabbit)	
123-86-4 n-butyl acetate			
Oral	LD50	10,760 mg/kg (Rat)	
Dermal	LD50	> 5,000 mg/kg (Rabbit)	

- Primary irritant effect:
- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye irritation.

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- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Additional toxicological information:
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure May cause drowsiness or dizziness.
- STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
- Aspiration hazard May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- **12.1 Toxicity**
- Aquatic toxicity: No further relevant information available.

Type of test	Effective concentration	Method	Assessment
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ATE (Acute Toxicity Estimates)

Inhalative	LC50/4 h	73.3 mg/l
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123-86-4 n-butyl acetate

Oral	EC50	44 mg/l (Daphnia magna)
Inhalative	LC50/4 h	> 21 mg/l (Rat)
	LC50/96 h	18 mg/l (Fish Acute Toxicity Study)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- Additional ecological information:
- General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **12.5 Results of PBT and vPvB assessment**
- PBT: Not applicable.
- vPvB: Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
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08 01 00	wastes from MFSU and removal of paint and varnish
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08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
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HP3	Flammable
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HP4	Irritant - skin irritation and eye damage
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HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
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- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---------------------------------------|-----------------------------|
| · 14.1 UN-Number | |
| · ADR/RID/ADN, IMDG, IATA | UN1263 |
| · 14.2 UN proper shipping name | |
| · ADR/RID/ADN | 1263 PAINT RELATED MATERIAL |
| · IMDG, IATA | PAINT RELATED MATERIAL |

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· 14.3 Transport hazard class(es)	
· ADR/RID/ADN	
· Class	3 (F1) Flammable liquids.
· Label	3

· IMDG, IATA	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR/RID/ADN, IMDG, IATA	II
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	
· Hazard identification number (Kemler code):	Warning: Flammable liquids. 33
· EMS Number:	F-E,S-E
· Stowage Category	B
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	
Not applicable.	
· Transport/Additional information:	

· ADR/RID/ADN	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	D/E

· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1263 PAINT RELATED MATERIAL, 3, II

* **SECTION 15: Regulatory information****· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

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· Regulation (EC) No 273/2004 on drug precursors		
78-93-3	butanone	3
· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors		
78-93-3	butanone	3

- National regulations:
- Technical instructions (air):

Class	Share in %
NK	85.0

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
 - H225 Highly flammable liquid and vapour.
 - H226 Flammable liquid and vapour.
 - H304 May be fatal if swallowed and enters airways.
 - H312 Harmful in contact with skin.
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H332 Harmful if inhaled.
 - H335 May cause respiratory irritation.
 - H336 May cause drowsiness or dizziness.
 - H373 May cause damage to organs through prolonged or repeated exposure.
 - H412 Harmful to aquatic life with long lasting effects.
- Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Flammable liquids	On basis of test data
Skin corrosion/irritation Serious eye damage/eye irritation Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Aspiration hazard	Expert judgement

- Department issuing SDS: Research and Development
- Contact: Saïda El Asjadi, tel: +31 182 372177, e-mail: safety@de-ijssel-coatings.nl
- Abbreviations and acronyms:
 - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 - ICAO: International Civil Aviation Organisation
 - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - VOC: Volatile Organic Compounds (USA, EU)
 - DNEL: Derived No-Effect Level (REACH)
 - PNEC: Predicted No-Effect Concentration (REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Flam. Liq. 2: Flammable liquids – Category 2
 - Flam. Liq. 3: Flammable liquids – Category 3
 - Acute Tox. 4: Acute toxicity – Category 4
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 - STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 - Asp. Tox. 1: Aspiration hazard – Category 1
 - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
- Sources: Literature data and/or investigation reports are available through the manufacturer.
- * Data compared to the previous version altered.