Safety data sheet
according to Regulation (EU) 2020/878

Printing date 07.10.2022 Version number 1 Revision: 07.10.2022

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

- **1.1 Product identifier**

- **Trade name: RATS AND MICE GLUE**

- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Glue for catching mice, rats and insects

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

- **Manufacturer/Supplier:**
Zapi S.p.A.
Via Terza Strada, 12
35026 Conselve (PD) - Italy
Tel. +39 049 9597737 Fax +39 049 9597735

E-mail address of the competent person responsible for the SDS: techdept@zapi.it

- **Further information obtainable from:** Tech. dept.

- **1.4 Emergency telephone number:**
Zapi customer service (Tel. +39 049 9597737): 9:00-12:00 / 14:00-17:00
List of the main Italian Poison Centres:
- Roma - Tel. 06 68593726 - Centro antiveleni, Ospedale Pediatrico Bambino Gesù, Dipartimento Emergenza e Accettazione DEA - piazza Sant'Onofrio, 4
- Foggia - Tel. 800183459 - Centro antiveleni, Azienda ospedaliera universitaria riuniti - viale Luigi Pinto, 1
- Napoli - Tel. 081 5453333 - Centro antiveleni, Azienda Ospedaliera "Antonio Cardarelli", III Servizio di anestesia e rianimazione - via Antonio Cardarelli, 9
- Roma - Tel. 06 49978000 - Centro antiveleni Policlinico "Umberto I", PRGM tossicologia d'urgenza - viale Del Policlinico, 155
- Roma - Tel. 06 3054343 - Centro antiveleni del Policlinico "Agostino Gemelli", Servizio di tossicologia clinica - largo Agostino Gemelli, 8
- Firenze - Tel. 055 7947819 - Centro antiveleni, Azienda ospedaliera universitaria Careggi, U.O. Tossicologia medica - via Largo Brambilla, 3
- Pavia - Tel. 0382 24444 - Centro antiveleni, Centro nazionale d'informazione tossicologica, IRCCS Fondazione Salvatore Maugeri, Clinica del lavoro e della riabilitazione - via Salvatore Maugeri, 10
- Milano - Tel. 02 66101029 - Centro antiveleni, Azienda ospedaliera Niguarda Ca' Grande - piazza Ospedale Maggiore, 3
- Bergamo - Tel. 800883300 - Centro antiveleni, Azienda ospedaliera "Papa Giovanni XXIII", tossicologia clinica, Dipartimento di farmacia clinica e farmacologia - piazza OMS, 1
- Verona - Tel. 800011858 - Centro antiveleni dell'Azienda ospedaliera universitaria integrata (AOUI) di Verona sede di Borgo Trento - piazzale Aristide Stefani, 1

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008** Not applicable

- **Hazard pictograms** Not applicable

- **Signal word** Not applicable

- **Hazard statements** Not applicable

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** The mixture does not contain PBT substances in concentration equal to or greater than 0.1% by weight.

- **vPvB:** The mixture does not contain vPvB substances in concentration equal to or greater than 0.1% by weight.

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- **Determination of endocrine-disrupting properties**
The mixture does not contain substances with endocrine disrupting properties in concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

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

- **Dangerous components:**

CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	<0.5%
CAS: 110-82-7 EINECS: 203-806-2 Index number: 601-017-00-1 Reg.nr.: 01-2119463273-41	Cyclohexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336	<0.25%

- **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:** Please refer to the instructions below for each specific way of exposure.

- **After inhalation:**
Bring the patient to fresh air.
If breathing stops, practice artificial respiration.
Call a doctor immediately.

- **After skin contact:**
Remove contaminated clothing.
Have a shower immediately.
Seek immediate medical advice.
Wash cntaminated clothing before reusing them.

- **After eye contact:**
Remove any contact lenses.
Immediately flush with plenty of water for at least 15 minutes, opening the eyelids.
Consult a doctor if symptoms persist.

- **After swallowing:**
Call a doctor immediately.
Do not induce vomiting.
Do not administer anything which is not expressely authorized by the 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:**
Suitable extinguishing agents are the traditionals: carbon dioxide, foam, powder and nebulized water.

- **For safety reasons unsuitable extinguishing agents:** To our knowledge, there are no unsuitable equipments.

- **5.2 Special hazards arising from the substance or mixture** Avoid breathing combustion products.

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- 5.3 Advice for firefighters
Cool the containers with jets of water to avoid the decomposition of the product and the development of substances potentially hazardous for health.
Always wear full fire protection equipment.
Collect extinguishing water which must not be discharged into the sewerage system.

- Protective equipment:
Equipment: normal fire fighting clothing, such as an open circuit, compressed air breathing apparatus (EN137), flame retardant suit (EN469), flame retardant gloves (EN659) and fire boots (HO A29 or A30).

- Additional information
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
Stop spillage if there is no danger.
Wear appropriate protective equipment (including personal protective equipment referred to in Section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing.
These indications are valid both for workers and for emergency interventions.

- 6.2 Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

- 6.3 Methods and material for containment and cleaning up:
Vacuum the leaked product into a suitable container. Evaluate the compatibility of the container to be used, checking section 10. Soak up the rest with absorbent material.
After cleaning up, ensure adequate ventilation.
Dispose of the material collected according to regulations.

- 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
Keep away from open flames, hot surfaces and sources of ignition.
Do not use matches or lighters.
Without adequate ventilation, the vapours may accumulate on the ground and ignite at a distance, if triggered off, with the risk of backfire.
Avoid electric charges accumulation.
In the case of large packages, connect to a grounding system and wear antistatic shoes during pouring operations.
Strong agitation and vigorous flow of the liquid in pipes and equipment can cause electrostatic charges build-up. To avoid fire and explosion hazards, never use compressed air during handling.
Avoid environmental dispersion of the product.
When using the product, do not eat, drink or smoke.

- Information about fire - and explosion protection:
See Section 6.
See section 5.

- 7.2 Conditions for safe storage, including any incompatibilities

- Requirements to be met by storerooms and receptacles:
Keep tightly closed in the original container, in a cool, dry and well-ventilated place.
Keep away from heat sources, open flames, sparks and other sources of ignition.

- Information about storage in one common storage facility:
Keep away from any incompatible materials, see section 10.
Store away from foodstuffs.
When handling the product, do not contaminate food, drinks or containers meant to contain them.

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- **Further information about storage conditions:**
Protect from frost.
Protect from heat and direct sunlight.
Protect from humidity and water.

- **7.3 Specific end use(s)** Glue for catching mice, rats and insects

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**	
141-78-6 ethyl acetate	
OEL (EU)	Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm
VL (Italy)	Short-term value: 1468 mg/m³, 400 ppm Long-term value: 734 mg/m³, 200 ppm
110-82-7 Cyclohexane	
VL (Italy)	Long-term value: 350 mg/m³, 100 ppm
OEL (EU)	Long-term value: 700 mg/m³, 200 ppm

- **Regulatory information**
VL (Italy): D.lgs. n. 81/2008
OEL (EU): Directives 91/322/CEE, 98/24/EC, 2000/39/EC, 2004/37/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2017/2398/EU, 2019/983/EU, 2019/1831/EU.

- **DNELs**		
141-78-6 ethyl acetate		
Oral	Long term - systemic effects	4.5 mg/kg bw/d (general population)
Dermal	Long term - systemic effects	37 mg/kg bw/d (general population)
		63 mg/kg bw/d (workers)
Inhalative	Short term - local effects	734 mg/m³ (general population)
		1468 mg/m³ (workers)
	Long term - local effects	367 mg/m³ (general population)
		734 mg/m³ (workers)
	Short term - systemic effects	734 mg/m³ (general population)
		1468 mg/m³ (workers)
	Long term - systemic effects	367 mg/m³ (general population)
		734 mg/m³ (workers)
110-82-7 Cyclohexane		
Oral	Long term - systemic effects	59.4 mg/kg bw/d (general population)
Dermal	Long term - systemic effects	1186 mg/kg bw/d (general population)
		2016 mg/kg bw/d (workers)
Inhalative	Short term - local effects	412 mg/m³ (general population)
		1400 mg/m³ (workers)
	Long term - local effects	206 mg/m³ (general population)
		700 mg/m³ (workers)
	Short term - systemic effects	412 mg/m³ (general population)
		1400 mg/m³ (workers)
	Long term - systemic effects	206 mg/m³ (general population)
		700 mg/m³ (workers)

- **PNECs**		
141-78-6 ethyl acetate		
Oral	PNEC	200 mg/kg food (secondary poisoning)
	PNEC	0.24 mg/l (fresh water)
		1.65 mg/l (intermittent releases)
		0.024 mg/l (marine water)

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		650 mg/l (sewage treatment plant)
	PNEC	1.15 mg/kg dw (sediment - fresh water)
		0.115 mg/kg dw (sediment - marine water)
		0.148 mg/kg dw (soil)
110-82-7 Cyclohexane		
	PNEC	0.0447 mg/l (fresh water)
		0.009 mg/l (intermittent releases)
		0.00447 mg/l (marine water)
		3.24 mg/l (sewage treatment plant)
	PNEC	3.6 mg/kg dw (sediment - fresh water)
		0.36 mg/kg dw (sediment - marine water)
		0.694 mg/kg dw (soil)

- **8.2 Exposure controls**

- **Appropriate engineering controls** No further data; see section 7.

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from food, drink and animal feedingstuffs.
Wash hands before breaks and at the end of work.
Do not eat, drink, smoke or sniff while working.

- **Respiratory protection:**
If the threshold value of the substance or of one or more of the substances present in the product is exceeded, it is advisable to wear a mask with a type B filter, the class (1, 2 or 3) of which must be chosen in relation to the limit concentration of use (ref. standard EN 14387).
If gases or vapours of a different nature and/or gases or vapours with particles (aerosols, fumes, mists, etc.) are present, combined type filters must be used.
The use of respiratory protective equipment is necessary if the technical measures are not sufficient to limit the worker's exposure to the threshold values considered. In any case, the protection offered by masks is limited.
If the substance is odourless or its odour threshold is above the exposure limit, and in the event of an emergency, wear an open-circuit self-contained breathing apparatus (ref. standard EN 137) or a supplied-air respirator (ref. standard EN 138). For the correct choice of respiratory protective device, refer to EN 529.

- **Hand protection**

Wear protective chemical resistant gloves during product handling phase (EN 374, category III).

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**
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.

- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection**

It is advisable to wear airtight protective goggles (ref. standard EN 166).

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- **Body protection:**
- **Skin protection**
  Wear long-sleeved work clothes and category I safety footwear for professional use (ref. Regulation 2016/425 and EN ISO 20344).
  Wash with soap and water after removing protective clothing.

- **Environmental exposure controls** See section 6.

- **Risk management measures** Follow the above-reported directions.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**	
- **General Information**	
- **Physical state**	Liquid
- **Colour:**	Colourless
- **Odour:**	Characteristic
- **Odour threshold:**	No data available.
- **Melting point/freezing point:**	No data available.
- **Boiling point or initial boiling point and boiling range**	No data available.
- **Flammability**	Not flammable.
- **Lower and upper explosion limit**	
- **Lower:**	No data available.
- **Upper:**	No data available.
- **Flash point:**	>60°C
- **Ignition temperature:**	No data available.
- **Decomposition temperature:**	No data available.
- **pH**	Not applicable.
- **Viscosity:**	
- **Kinematic viscosity**	No data available.
- **Dynamic viscosity at 25°C:**	55000 cP
- **Solubility**	
- **water:**	Insoluble.
- **Partition coefficient n-octanol/water (log value)**	No data available.
- **Vapour pressure:**	No data available.
- **Density and/or relative density**	
- **Density:**	No data available.
- **Relative density at 20°C**	0.9 kg/l
- **Vapour density**	No data available.
- **Particle characteristics**	Not applicable
- **9.2 Other information**	
- **Appearance:**	
- **Form:**	Viscous liquid
- **Information with regard to physical hazard classes**	
- **Explosives**	Not explosive
- **Flammable gases**	Not applicable
- **Aerosols**	Not applicable
- **Oxidising gases**	Not applicable
- **Gases under pressure**	Not applicable
- **Flammable liquids**	Not flammable
- **Flammable solids**	Not applicable
- **Self-reactive substances and mixtures**	Not self-reactive
- **Pyrophoric liquids**	Not pyrophoric
- **Pyrophoric solids**	Not applicable

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- **Self-heating substances and mixtures**	Not self-heating
- **Substances and mixtures, which emit flammable gases in contact with water**	Not applicable
- **Oxidising liquids**	Not oxidising
- **Oxidising solids**	Not applicable
- **Organic peroxides**	Not applicable
- **Corrosive to metals**	Not corrosive to metals
- **Desensitised explosives**	Not applicable

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
Under standard handling and storing conditions, the product does not show any dangerous reaction.

141-78-6 ethyl acetate
- It slowly decomposes to acetic acid and ethanol through the action of light, air and water.

- **10.2 Chemical stability** Stable at room temperature and if used as recommended.

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **10.3 Possibility of hazardous reactions**
Under standard handling and storing conditions, the product does not show any dangerous reaction.

141-78-6 ethyl acetate
- Risk of explosion on contact with: alkali metals, hydrides, oleum. May react violently with: fluorine, strong oxidising agents, chlorosulphuric acid, potassium ter-butoxide. It forms explosive mixtures with air.
110-82-7 Cyclohexane
- The substance may violently react with strong oxidants and liquid nitrogen oxide. It forms explosive mixtures with air.

- **10.4 Conditions to avoid**
Under standard handling and storing conditions, the product does not show any dangerous reaction.

141-78-6 ethyl acetate
- Avoid exposure to: light, heat sources, open flames.
110-82-7 Cyclohexane
- Keep away from open flames, sparks and other sources of ignition. Avoid electrostatic charge build-up. Do not expose to heat.

- **10.5 Incompatible materials:**
Given the lack of information about possible incompatibilities with other substances, it is recommended not to use it in combination with other products.

141-78-6 ethyl acetate
- Incompatible with: acids, bases, strong oxidants, aluminium, nitrates, chlorosulphuric acid. Incompatible with: plastic materials.
110-82-7 Cyclohexane
- Natural rubber, neoprene, polyvinyl chloride, polyethylene, oxidising agents.

- **10.6 Hazardous decomposition products:**
No dangerous decomposition products known under normal conditions of storage and use.

110-82-7 Cyclohexane
- Carbon oxides.

SECTION 11: Toxicological information

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

- **Acute toxicity** Based on available data, the classification criteria are not met.

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- **LD/LC50 values relevant for classification:**

141-78-6 ethyl acetate		
Oral	LD50	4934 mg/kg bw (rat)
Dermal	LD50	>20000 mg/kg bw (rabbit)
Inhalative	LC50/4h	>6000 ppm (rat) (vapours)
110-82-7 Cyclohexane		
Oral	LD50	>5000 mg/kg bw (rat)
Dermal	LD50	>2000 mg/kg bw (rabbit)
Inhalative	LC50/4h	>32.88 mg/l (rat) (vapours)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:** No further relevant information available.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

The mixture does not contain substances with endocrine disrupting properties in concentration equal to or greater than 0.1% by weight.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic and/or terrestrial toxicity:**

141-78-6 ethyl acetate	
EC50/72h	>100 mg/l (scenedesmus subspicatus)
LC50/96h	230 mg/l (pimephales promelas)
NOEC/21d	2.4 mg/l (daphnia pulex)
EC50/48h	165 mg/l (daphnia magna)
110-82-7 Cyclohexane	
EC50/72h	3.4 mg/l (selenastrum capricornutum)
LC50/96h	4.53 mg/l (pimephales promelas)
EC50/48h	0.9 mg/l (daphnia magna)

- **12.2 Persistence and degradability**

141-78-6 ethyl acetate	
biodegradability	Readily biodegradable.
110-82-7 Cyclohexane	
biodegradability	Readily biodegradable.

- **12.3 Bioaccumulative potential**

141-78-6 ethyl acetate	
bioconcentration factor	30
octanol-water partition coefficient	Log Kow = 0.68

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- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** The mixture does not contain PBT substances in concentration equal to or greater than 0.1% by weight.
- **vPvB:** The mixture does not contain vPvB substances in concentration equal to or greater than 0.1% by weight.
- **12.6 Endocrine disrupting properties**
  The mixture does not contain substances with endocrine disrupting properties in concentration equal to or greater than 0.1% by weight.
- **12.7 Other adverse effects** No further relevant information available.
- **General notes:** Do not allow the product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
  The product residues have to be considered non-hazardous special waste.
  Dispose of in accordance with local requirements.
- **Uncleaned packaging:**
- **Recommendation:** Dispose of in accordance with local requirements.

SECTION 14: Transport information

- **14.1 UN number or ID number**	
- **ADR, IMDG, IATA**	Not applicable
- **14.2 UN proper shipping name**	
- **ADR, IMDG, IATA**	Not applicable
- **14.3 Transport hazard class(es)**	
- **ADR, ADN, IMDG, IATA**	
- **Class**	Not applicable
- **14.4 Packing group**	
- **ADR, IMDG, IATA**	Not applicable
- **14.5 Environmental hazards:**	Not applicable.
- **14.6 Special precautions for user**	Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
- **UN "Model Regulation":**	Not applicable

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** This product is not subject to Seveso directive dispositions.
- **REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**
  The mixture does not contain substances identified as POP.

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- **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**
The product does not contain any substance included in annex XIV.

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 40, 57, 75

- **Regulation (EU) No 649/2012 (PIC)** There are no substances listed in this regulation.

- **REGULATION (EU) 2019/1148 - Explosive precursors**
The mixture does not contain explosives precursors in concentrations equal to or greater than 1%.

- **National regulations:** No further information available.

- **Other regulations, limitations and prohibitive regulations** No further information available.

- **Substances of very high concern (SVHC) according to REACH, Article 59**
The mixture does not contain SVHC substances in concentration equal to or greater than 0.1% by weight.

- **Regulation (EC) n. 1005/2009: substances that deplete the ozone layer**
The mixture does not contain substances that deplete the ozone layer.

- **15.2 Chemical safety assessment:**
A Chemical Safety Assessment according to Regulation (EC) No. 1907/2006 has not been carried out for the mixture.

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. Any responsibility derived from misuse of the product or in case of violation of current regulations is refused.

- **Relevant phrases**
H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

- **Classification according to Regulation (EC) No 1272/2008**
Physico-chemical hazards: the classification of the mixture is based on the criteria established by annex I, part 2, of Regulation (EC) No. 1272/2008. If relevant, the methods are reported in section 9.
Health and environmental hazards: the classification of the mixture is based on the calculation method stated in annex I, parts 3 and 4, of Regulation (CE) No. 1272/2008, using components data.

- **Abbreviations and acronyms:**
RD50: Respiratory Decrease, 50 percent
LC0: Lethal concentration, 0 percent
NOEC: No Observed Effect Concentration
IC50: Inhibitory concentration, 50 percent
NOAEL: No Observed Adverse Effect Level
EC50: Effective concentration, 50 percent
EC10: Effective concentration, 10 percent
LL0: Lethal Load, 0 percent
AEL: Acceptable Exposure Limit
LL50: Lethal Load, 50 percent
EL0: Effective Load, 0 percent
EL50: Effective Load, 50 percent
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)
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
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative

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Flam. Liq. 2: Flammable liquids – Category 2
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
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

- **Sources**

1. The E-Pesticide Manual 2.1 Version (2001)
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3. Regulation (EC) 1272/2008 and following amendments
4. Regulation (EU) 2020/878
5. Regulation (EU) 528/2012
6. Regulation (EC) 790/2009 (1st ATP CLP)
7. Regulation (EU) 286/2011 (2nd ATP CLP)
8. Regulation (EU) 618/2012 (3rd ATP CLP)
9. Regulation (EU) 487/2013 (4th ATP CLP)
10. Regulation (EU) 944/2013 (5th ATP CLP)
11. Regulation (EU) 605/2014 (6th ATP CLP)
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15. Regulation (EU) 2017/776 (10th ATP CLP)
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17. Regulation (EU) 2019/521 (12th ATP CLP)
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20. Regulation (EU) 2020/1182 (15th ATP CLP)
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22. Regulation (EU) 2021/849 (17th ATP CLP)
23. Directive 2012/18/EU (Seveso III)
24. ECHA web site