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Creation date 14th June 2018								
		14th June 2018		F 0				
Revisi	ion date	07th May 2024	Version	5.0				
SECT	ION 1: Identification	of the substance/mixture	e and of the company/und	lertaking				
1.1.	Product identifier		Aniline hydrochlor	ide				
	Substance / mixture		substance					
	Chemical name		Aniline hydrochlor	ide				
	CAS number		142-04-1					
	Index number		612-009-00-2					
	EC (EINECS) number		205-519-8					
	Other substance nam							
	Anilinumchlorid							
1.2.			mixture and uses advised	l against				
	Substance's intended use							
	•		tory synthesis, industrial ap	olications.				
	Substance uses advised against							
	The product should not be used in ways other than those referred in Section 1.							
1.3.	Details of the supplier of the safety data sheet							
	Supplier							
	••							
	Name or trade	name	Ing. Petr Švec - Pl					
	••	name	Radiová 1122/1, F					
	Name or trade Address		Radiová 1122/1, F Czech Republic					
	Name or trade Address Identification n		Radiová 1122/1, F Czech Republic 02096013					
	Name or trade Address Identification n VAT Reg No		Radiová 1122/1, F Czech Republic 02096013 CZ02096013	raha 10, 102 00				
	Name or trade Address Identification n VAT Reg No Phone		Radiová 1122/1, F Czech Republic 02096013 CZ02096013 +420 226 060 68:	raha 10, 102 00				
	Name or trade Address Identification n VAT Reg No		Radiová 1122/1, F Czech Republic 02096013 CZ02096013 +420 226 060 68: info@pentachemic	raha 10, 102 00 L als.eu				
	Name or trade Address Identification n VAT Reg No Phone E-mail Web address	umber (CRN)	Radiová 1122/1, F Czech Republic 02096013 CZ02096013 +420 226 060 683 info@pentachemic www.pentachemic	raha 10, 102 00 L als.eu				
	Name or trade Address Identification n VAT Reg No Phone E-mail Web address		Radiová 1122/1, F Czech Republic 02096013 CZ02096013 +420 226 060 68: info@pentachemic www.pentachemic / data sheet	raha 10, 102 00 L als.eu als.eu				
	Name or trade Address Identification n VAT Reg No Phone E-mail Web address	umber (CRN)	Radiová 1122/1, F Czech Republic 02096013 CZ02096013 +420 226 060 68: info@pentachemic www.pentachemic y data sheet Ing. Petr Švec - Pl	raha 10, 102 00 L als.eu als.eu ENTA s.r.o.				
	Name or trade Address Identification ne VAT Reg No Phone E-mail Web address Competent person Name E-mail	umber (CRN) responsible for the safety	Radiová 1122/1, F Czech Republic 02096013 CZ02096013 +420 226 060 68: info@pentachemic www.pentachemic / data sheet	raha 10, 102 00 L als.eu als.eu ENTA s.r.o.				
1.4.	Name or trade Address Identification ne VAT Reg No Phone E-mail Web address Competent person Name	umber (CRN) responsible for the safety	Radiová 1122/1, F Czech Republic 02096013 CZ02096013 +420 226 060 68: info@pentachemic www.pentachemic y data sheet Ing. Petr Švec - Pl	raha 10, 102 00 L als.eu als.eu ENTA s.r.o.				

Classification of the substance in accordance with Regulation (EC) No 1272/2008 The substance is classified as dangerous.

Acute Tox. 3, H301+H311+H331 Skin Sens. 1, H317 Eye Dam. 1, H318 Muta. 2, H341 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 (multiplying factor = 100) **Most serious adverse effects on human health and the environment**

Suspected of causing cancer. Suspected of causing genetic defects. May cause an allergic skin reaction. Causes

serious eye damage. Causes damage to organs through prolonged or repeated exposure. Toxic if swallowed, in contact with skin or if inhaled. Very toxic to aquatic life.

Safety data sheet

		SAFETY	DATA SHEET					
		according to Regulation (EC	C) No 1907/2006 (REACH) a	as amended				
Aniline hydrochloride								
Creation date 14th June 2018								
Revision date07th May 2024Version5.0								
2.2. La	bel elements							
На	zard pictogram							
Da Da An	gnal word nger ngerous substan iline hydrochloride ndex: 612-009-00-2							
•	zard statements	, CAS. 142 04 1)						
H3	17		ergic skin reaction.					
H3	18	Causes serious e	ye damage.					
H3	41	Suspected of cau	sing genetic defects.					
H3	51	Suspected of cau	5					
H3		-	to organs through prolonge	d or repeated exposure.				
H4	00	Very toxic to aqu	atic life.					
H3	01+H311+H331	Toxic if swallowe	d, in contact with skin or if	inhaled.				
	Precautionary statements							
P2		Avoid breathing	•					
P2			the environment.					
P23	80	Wear protective	5					
P3	01+P310	IF SWALLOWED:	Immediately call a doctor.					
P3	05+P351+P338		e cautiously with water for and easy to do. Continue	several minutes. Remove contact rinsing.				
P3	08+P313	IF exposed or co	ncerned: Get medical advic	e/attention.				
2.3. Ot	her hazards							
Th	e substance does i	not have endocrine disrupti	ng properties in accordanc	e with the criteria set out in Commissi				

The substance does not have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Substance does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Dust may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

The substance s	The substance specified below.						
Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note			
	substance main component						
Index: 612-009-00-2 CAS: 142-04-1 EC: 205-519-8	Aniline hydrochloride	≥99	Acute Tox. 3, H301+H311+H331 Skin Sens. 1, H317 Eye Dam. 1, H318 Muta. 2, H341 Carc. 2, H351 STOT RE 1, H372 (eyes) Aquatic Acute 1, H400 (M=100) Specific concentration limit: STOT RE 1, H372: $C \ge 1 \%$ STOT RE 2, H373: $C < 1 \%$				

Full text of all classifications and hazard statements is given in the section 16.



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	according to Regulation (EC Aniline 14th June 2018	Aniline hydrochloride 14th June 2018	according to Regulation (EC) No 1907/2006 (REACH) as amended Aniline hydrochloride 14th June 2018			

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

If on skin

Remove contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Depending on the situation, call the medical rescue service and always ensure medical treatment.

If in eyes

Do not rub your eyes – it could lead to mechanical damage of the cornea. Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

Give the affected person water (no more than two glasses). Seek medical attention immediately. Only in exceptional cases, if medical treatment is not available within one hour, induce vomiting (only in fully conscious persons), administer activated charcoal (20-40 g in 10% slurry) and transport to a doctor as soon as possible.

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

If inhaled

Inhaling dust can cause corrosion of the breathing system. Cough, headache.

If on skin

May cause an allergic skin reaction.

If in eyes

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist. **Unsuitable extinguishing media**

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.



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according to R	egulation (E	EC) No	190//2006 (REACH) as amended

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5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale dust. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

6.4. Reference to other sections See the Section 7, 8 and 13.

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not inhale dust. Prevent contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Wash hands and exposed parts of the body thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up. Keep container tightly closed.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

none

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product (nitrile rubber). When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

Use insulating breathing apparatus when the exposition limits of the substances are exceeded or at the place with insufficient ventilation.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.



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SECTI	ON 9: Physical	and chemical properties						
9.1.	Information of	on basic physical and chemical prope	rties					
	Physical state		solid					
	Colour		white					
	Odour		data not available					
	Melting point/f	reezing point	data not available					
	Boiling point or	r initial boiling point and boiling range	245 °C					
	Flammability		data not available					
	Lower and upp	er explosion limit	data not available					
	Flash point		194 °C					
	Auto-ignition te	emperature	data not available					
	Decomposition	temperature	data not available					
	pН		data not available					
	Kinematic visco	osity	data not available					
	Solubility in wa	ater	soluble					
		cient n-octanol/water (log value)	-2.61					
	Vapour pressu	re	data not available					
	• •	relative density	data not available					
	Relative vapou		data not available					
	Particle charac	teristics	data not available					
	Form		powder					
9.2.	Other informa	ation						
	not available							

- The product is stable under normal conditions.
- **10.3.** Possibility of hazardous reactions Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 No toxicological data is available for the substance.

Acute toxicity

Toxic if swallowed, in contact with skin or if inhaled.

Aniline hydrochloride						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	
Oral	LD50	840 mg/kg		Rat		



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according to Regulation (EC) No 1907/2006 (REACH) as amended

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Skin corrosion/irritation

No data available for the substance. Based on available data the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Suspected of causing genetic defects.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

No data available for the substance. Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

No data available for the substance. Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

No data available for the substance. Based on available data the classification criteria are not met.

11.2. Information on other hazards

The substance does not have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life.

Acute toxicity

Aniline hydroc	Aniline hydrochloride				
Parameter	Value	Exposure time	Species	Environment	
LC50	36.2 mg/l	96 hours	Fish (Oncorhynchus mykiss)		
EC₅o	0.17 mg/l	48 hours	Invertebrates (Desmodesmus subspicatus)		

12.2. Persistence and degradability

No data available for the substance.

12.3. Bioaccumulative potential

No data available for the substance.

12.4. Mobility in soil

No data available for the substance.



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Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100. 12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

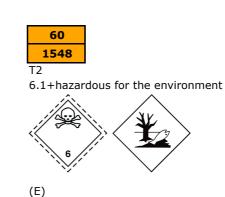
SECTION 14: Transport information

- 14.1. UN number or ID number
- UN 1548 14.2. UN proper shipping name ANILINE HYDROCHLORIDE
- 14.3. Transport hazard class(es) 6.1 Toxic substances
- 14.4. Packing group
 - III
- 14.5. Environmental hazards not relevant
- 14.6. Special precautions for user Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments not relevant

Additional information

Hazard identification No. **UN** number Classification code Safety signs





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Air transport	- ICAO/IATA					
Packaging	instructions passenger	670				
Cargo pac	kaging instructions	677				
Marine trans	port - IMDG					
EmS (eme	ergency plan)	F-A, S-A				

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No chemical safety assessment has been performed for this substance.



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No chemical safety assessment has been performed for this substance.

No chemical safety assessment has been performed for this substance.

A list of standard	I risk phrases used in the safety data sheet	
1317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H341	Suspected of causing genetic defects.	
H351	Suspected of causing cancer.	
H372	Causes damage to the eyes through prolonged or repeated exposure.	
H372	Causes damage to organs through prolonged or repeated exposure.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H400	Very toxic to aquatic life.	

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Safety data sheet

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according to Regulation (EC) No 1907/2006 (REACH) as amended						
Aniline hydrochloride						
Creation date Revision date	14th June 2018 07th May 2024	Version	5.0			
H301+H311+H331	, Toxic if swallowe	d in contact with skin or	if inhaled			
	H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled. Guidelines for safe handling used in the safety data sheet					
P261	Avoid breathing					
P273		the environment.				
P280	Wear protective	gloves.				
P301+P310		Immediately call a doctor	r.			
P305+P351+P338	IF IN EYES: Rins	•	r several minutes. Remove contact			
P308+P313		, ncerned: Get medical adv	-			
Other important i	nformation about human h					
The product must n as per the Section 1	ot be - unless specifically ap The user is responsible for	proved by the manufactur adherence to all related he	er/importer - used for purposes other than ealth protection regulations.			
-	ons and acronyms used in	-				
ADR	road	-	national carriage of dangerous goods by			
BCF	Bioconcentration					
CAS	Chemical Abstrac					
CLP		Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures				
EC	Identification cod	Identification code for each substance listed in EINECS				
EC50	Concentration of	Concentration of a substance when it is affected 50% of the population				
EINECS		European Inventory of Existing Commercial Chemical Substances				
EmS		Emergency plan				
EU	European Union					
EuPCS	European Produc	European Product Categorisation System				
ΙΑΤΑ		International Air Transport Association				
IBC		International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals				
ICAO	International Civ	il Aviation Organization				
IMDG		International Maritime Dangerous Goods				
IMO	International Ma	ritime Organization				
INCI	International No	menclature of Cosmetic In	gredients			
ISO	International Org	International Organization for Standardization				
IUPAC		International Union of Pure and Applied Chemistry				
LC50	Lethal concentra population	Lethal concentration of a substance in which it can be expected death of 50% of the population				
LD50	Lethal dose of a population	substance in which it can	be expected death of 50% of the			
log Kow	Octanol-water pa	artition coefficient				
OEL	Occupational Exp	oosure Limits				
PBT	Persistent, Bioac	cumulative and Toxic				
ppm	Parts per million	Parts per million				
REACH	÷ .	Registration, Evaluation, Authorisation and Restriction of Chemicals				
RID	-	Agreement on the transport of dangerous goods by rail				
UN		Four-figure identification number of the substance or article taken from the UN Model Regulations				
UVCB		Substances of unknown or variable composition, complex reaction products or biological materials				
VOC		Volatile organic compounds				
vPvB	Very Persistent a	nd very Bioaccumulative				
Acute Tox.	Acute toxicity					
Aquatic Acute		e aquatic environment				

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ways of handling Recommended not available Information al REGULATION (E REGULATION (E the manufacture The changes (The version 5.0 More informat	lines onnel about the recommended w g the product. I restrictions of use bout data sources used to com C) No. 1907/2006 OF THE EUR C) No. 1272/2008 OF THE EUR er of the substance / mixture, if a which information has been a replaces the SDS version from 0.	enicity rgan toxicity - repeated exp ays of use, mandatory pro- pile the Safety Data Sh OPEAN PARLIAMENT AND DPEAN PARLIAMENT AND vailable - information from dded, deleted or modifie	tective equipment, first aid and prohibite eet OF THE COUNCIL (REACH) as amende OF THE COUNCIL as amended. Data fro registration dossiers. ed)			

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.