

2-ETHYLPHENYLHYDRAZINE HYDROCHLORIDE

Page: 1

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Revision No: 1

#### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name: 2-ETHYLPHENYLHYDRAZINE HYDROCHLORIDE

CAS number: 19398-06-2

EINECS number: 421-460-2

Index number: 612-245-00-6

Product code: OR0985

Synonyms: 1-ETHYL-2-HYDRAZINOBENZENE HYDROCHLORIDE

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

#### 1.3. Details of the supplier of the safety data sheet

Company name: Apollo Scientific Ltd

	Units 3 & 4
	Parkway
	Denton
	Manchester
	M34 3SG
	UK
Tel:	0161 337 9971
Fax:	0161 336 6932
Email:	david.tideswell@apolloscientific.co.uk

## 1.4. Emergency telephone number

# Section 2: Hazards identification

2.1. Classification of the substance or mixture		
Classification under CHIP:	Xn: R22; Xn: R40; Xi: R41; Sens.: R43; T: R48/25; N: R50/53	
Classification under CLP:	Acute Tox. 4: H302; Carc. 2: H351; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye	
	Dam. 1: H318; Skin Sens. 1: H317; STOT RE 1: H372	
Most important adverse effects:	Harmful if swallowed. Limited evidence of a carcinogenic effect. Risk of serious damage	
	to eyes. May cause sensitisation by skin contact. Toxic: danger of serious damage to	
	health by prolonged exposure if swallowed. Very toxic to aquatic organisms, may cause	
	long-term adverse effects in the aquatic environment.	

#### 2.2. Label elements

Label elements under CLP:

Hazard statements: H302: Harmful if swallowed.

H317: May cause an allergic skin reaction.

#### 2-ETHYLPHENYLHYDRAZINE HYDROCHLORIDE

H318: Causes serious eye damage.

H351: Suspected of causing cancer.

H372: Causes damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



#### Label elements under CHIP:

Hazard symbols: Dangerous for the environment.

Toxic.



Risk phrases: R22: Harmful if swallowed.

R40: Limited evidence of a carcinogenic effect.

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

R48/25: Toxic: danger of serious damage to health by prolonged exposure if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

S22: Do not breathe dust.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

2.3. Other hazards

**PBT:** This substance is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

Page: 2

#### 2-ETHYLPHENYLHYDRAZINE HYDROCHLORIDE

## 3.1. Substances

#### Chemical identity: 2-ETHYLPHENYLHYDRAZINE HYDROCHLORIDE

#### Section 4: First aid measures

#### 4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

- Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
- **Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
- Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

#### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

**Extinguishing media:** Carbon dioxide, dry chemical powder, foam. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes. Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride (HCI).

#### 5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### Section 6: Accidental release measures

# 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

#### 2-ETHYLPHENYLHYDRAZINE HYDROCHLORIDE

# Page: 4 6.2. Environmental precautions Environmental precautions: Do not discharge into drains or rivers. 6.3. Methods and material for containment and cleaning up Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method. 6.4. Reference to other sections Section 7: Handling and storage 7.1. Precautions for safe handling Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air. Only use in fume hood. 7.2. Conditions for safe storage, including any incompatibilities Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids. Store under Argon. Suitable packaging: Must only be kept in original packaging. 7.3. Specific end use(s) Specific end use(s): No data available. Section 8: Exposure controls/personal protection 8.1. Control parameters Workplace exposure limits: Not applicable. 8.2. Exposure controls Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids. Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter. Hand protection: Protective gloves. Eye protection: Safety glasses. Ensure eye bath is to hand. Skin protection: Protective clothing. Section 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

State: Powder

Solubility in water: Soluble

Melting point/range °C: 178 (dec)

#### 2-ETHYLPHENYLHYDRAZINE HYDROCHLORIDE

Page: 5

## 9.2. Other information

Other information: Not applicable.

## Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

#### 10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

#### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Nitrogen oxides

(NOx). Hydrogen chloride (HCl).

## Section 11: Toxicological information

# 11.1. Information on toxicological effects

#### Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Based on test data
Serious eye damage/irritation	OPT	Based on test data
Respiratory/skin sensitisation	DRM	Based on test data
Carcinogenicity		Based on test data
STOT-repeated exposure	-	Based on test data

#### Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach

pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

#### Section 12: Ecological information

#### 2-ETHYLPHENYLHYDRAZINE HYDROCHLORIDE

Page: 6

### 12.1. Toxicity

Ecotoxicity values: Not applicable.

## 12.2. Persistence and degradability

Persistence and degradability: No data available.

## 12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

# 12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms.

#### Section 13: Disposal considerations

#### 13.1. Waste treatment methods

Disposal operations:	MATERIAL SHOULD BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND	
	FEDERAL REGULATIONS	
Disposal of packaging:	Dispose of as special waste in compliance with local and national regulations Observe	
	all federal, state and local environmental regulations.	
NB:	The user's attention is drawn to the possible existence of regional or national	
	regulations regarding disposal.	

# Section 14: Transport information

14.1. UN number

UN number: UN3077

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: |||

14.5. Environmental hazards

Environmentally hazardous: Yes

14.6. Special precautions for user

Tunnel code: E

Marine pollutant: No

# 2-ETHYLPHENYLHYDRAZINE HYDROCHLORIDE

Page: 7

	Transport category:	3	raye. /	
Section 15: Regulatory information				
	15.1. Safety, health and enviror	mental regulations/legislation specific for the substance or mixture		
15.2. Chemical Safety Assessment				
	Chemical salety assessment:	A chemical safety assessment has not been carried out for the substance or the mixture		
		by the supplier.		
	Section 16: Other information			
	Other information			
	Other information:	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.		
		* Data predicted using computational software. Toxtree - Toxic Hazard Estimation by		
		decision tree approach. http://ecb.jrc.ec.europa.eu/qsar/qsar-tools/index.php?		
		c=TOXTREE		
		~ Data predicted using computatioanl software ACD/ToxSuite v 2.95.1 Copyright 1994-		
		2009 ACD/labs, Copyright 2001-2009 Pharma Algorithms, Inc, Advanced Chemistry		
		Development, Inc (ACD/Labs). http://www.acdlabs.com/products/pc_admet/tox/tox/		
	Phrases used in s.2 and 3:	H302: Harmful if swallowed.		
		H317: May cause an allergic skin reaction.		
		H318: Causes serious eye damage.		
		H351: Suspected of causing cancer <state conclusively="" exposure="" if="" is="" it="" of="" proven<="" route="" th=""><th></th></state>		
		that no other routes of exposure cause the hazard>.		
		H372: Causes damage to organs <or affected,="" all="" if="" known="" organs="" state=""> through</or>		
		prolonged or repeated exposure <state conclusively="" exposure="" if="" is="" it="" of="" proven="" route="" th="" that<=""><th></th></state>		
		no other routes of exposure cause the hazard>.		
		H400: Very toxic to aquatic life.		
		H410: Very toxic to aquatic life with long lasting effects.		
		R22: Harmful if swallowed.		
		R40: Limited evidence of a carcinogenic effect.		
		R41: Risk of serious damage to eyes.		
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		R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the		
		aquatic environment.		
	Legal disclaimer:	The material is intended for research purposes only and should be handled exclusively		
		by those who have been fully trained in safety, laboratory and chemical handling		
		procedures. The above information is believed to be correct to the best of our		
		knowledge. The above information is believed to be correct to the best of our knowledge		

## 2-ETHYLPHENYLHYDRAZINE HYDROCHLORIDE

## Page: 8

at the date of its publication, but should not be considered to be all inclusive. It should be used only as a guide for safe handling, storage, transportation and disposal. We cannot guarantee that the hazards detailed in this document are the only hazards that exist for this product. This is not a warranty and Apollo Scientific Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.