SECTION 1: Identiflcation of the substance/mlxture and of the company/undertaklng

1.1. Product identifler

Toiletstones

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

Use of the substance/mixture

Industrial uses

Uses advised against

No information available.

1.3. Detalls of the suppller of the safety data sheet

Company name:	Suomen Sanimex Oy
Street:	Oppipojantie 4
Place:	04500 Tuusula kk
Telephone:	+358 40 5004343
e-mail:	suomen.sanimexe@suomensanimex.fi
Internet:	www.suomensanimex.fi

1.4. Emergency telephone number: **0800 14711**

SECTION 2: Hazards Identiflcatlon

2.1. Classification of the substance or mlxture

Regulation (EC) No. 1272/2008

Hazard categories:
Serious eye damage/eye irritation: Eye Irrit. 2
Carcinogenicity: Gare. 2
Hazardous to the aquatic environment: Aquatic Acute 1
Hazardous to the aquatic environment: Aquatic Chronic 1
Hazard Statements:
Causes serious eye irritation.
Suspected of causing cancer.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

1,4-dichlorobenzene, p-dichlorobenzene

Slgnal word: Waming

Pictograms:

Hazard statements

H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H410	Very toxic to aquatic life with long iasting effects.

Precautionary statements

P201	Obtain special instructions before use.

2.3. Other hazards

Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concemed: Get medical advice/attention.
Collect spillage.
Dispose of waste according to applicable legislation.

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CASNo	Chemical name	Quant,ty
	ECNo !Index No IREACH No	
	Classification according to Regulalion (EC) No. 1272/2008 [CLP]	
106-46-7	1.4-dichlorobenzene. p-dichlorobenzene	**45-55** %
	203-400-5 1602-035-00-2 101-2119472312-46	
	Carc. 2, Eye Irril. 2, Aquatic Acute 1, Aquatic Chronic 1. H351 H319 H400 H410	

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Oescription of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

IF INHALED: Call a doctor if you feel unwell. Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
Change contaminated. saturated clothing.
In case of skin irritation, consult a physician.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Do NOT induce vomiting.

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

Cough, Dyspnoea, Dizziness, Vomiting, Headache,

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder, alcohol reslstant foam, Garbon dioxide (C02), Water spray jet

Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

5.3. Advice for firefighters

Special protective equipment for firefighters Protective clothing.

In case of fire: Wear self-contained breathing apparatus

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

D1spose of waste accordmg to apphcable legislation.

SECTION 6: Accidental release measures

6.1. Persona! precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

Provide adequate ventilation.

Persona! protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and materia! for containment and cleaning up

Absorb wIth liquid-bmding materia! (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered materia! as prescribed in the section on waste disposal.

6.4. Reference to other sections

See protective measures under pomt 7 and 8.

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear persona! protection equipment (refer to section 8).

Keep container tightly closed.

Do not breathe gas/fumes/vapour/spray.

Avoid contact with skin, eyes and clothes.

Advlce on protection against flre and explosIon

Keep away from sources of heat (e.g. hot surfaces). sparks and open flames.

Further information on handling

Use only in well-ventilated areas.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Keep/Store only in onginal container

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep away from: Frost, Heat, Humidity

7.3. Specific end use{s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	*mglm'*	fibres/ml	Category	Origin
106-46-7	1,4-D1chlorobenzene (para-d1chlorbenzene)	25	153		**TWA(8** h)	WEL
		50	306		STEL (15 m1n}	WEL

DNEUDMEL values

CASNo	1Substance		
DNEL type		Exposure route	Effect	Value
106-46-7	1.4-d1chlorobenzene. p-dichlorobenzene		
Worker DNEL. long-term		1nhalat1on	systemIc	46.1 mg/m'
Worker DNEL, acute		inhalation	systemic	300 mg/m³
Worker DNEL. long-terrn		derrnal	systemIc	1,4 mg/kg bw/day
Worker DNEL. acute		derrnal	systemIc	7 mg/kg bw/day
Consumer DNEL. long-terrn		inhalallon	systemic	8,2 mg/m3
Consumer DNEL. acute		inhalation	systemic	300 mg/m3
Consumer DNEL. long-term		dermal	system1c	0,7 mg/kg bw/day
Consumer DNEL. acute		derrnal	systemIc	3,5 mg/kg bw/day
Consumer DNEL. long-terrn		oral	systemic	0,7 mg/kg bw/day
Consumer DNEL, acute		oral	systemIc	3,5 mg/kg bw/day

PNEC values

CASNo	1 **Substance**	
Environmental compartment		Value
106-46-7	**I1,4-dtchlorobenzene, p-dtchlorobenzene**	
Freshwater		0.02 mg/1
Manne water		0.002 mg/l
Freshwater sedIment		0,98 mg/kg
Manne sed1ment		0,098 mg/kg
Secondary po1soning		10 mg/kg
Soll		0,108 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Protective and hygiene measures

Only wear fitting, comfortable and clean protective clothing
Avoid contact with skin, eyes and clothes.
Wash hands before breaks and after work.
When using do not eat, drink, smoke, sniff.
Street clothing should be stored separately from work clothing.
Wash contaminated clothing before reuse
Contaminated work clothing should not be allowed out of the workplace.

Eye/face protection

Eye glasses with side protection,
goggles

Hand protection

Suitable materia!:
NBR (Nitrile rubber) DIN EN 374
Thickness of the glove materia!: >= 0,11 mm
Breakthrough time (maximum wearing time): > 480 min
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Breakthrough times and swelling properties of the materia! must be taken into consideration.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Filtering device (full mask or mouthpiece) with filter: A/ P2

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	white
Odour:	characteristic

	Test method
pH-Value:	no! applicable
Changes in the physical state	
Melting point:	<55 °C
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not delermined
Pour point:	not determined
	No information available.
Flash point:	>65 °C
Sustaining combustion:	No data available
Flammability	
Solid:	not determined
Gas:	not determined

Explosive properties

not explosive.
Vapours are heavier Ihan air, spread along floors and form explosive mixtures with air.

Lower explosion limits:	1,7 voi.%
Upper explosion limits:	5.9 voi.%
Ignition temperature:	not determined
Auto-ignition temperature	
Solid:	not determined
Gas:	not determined

Decomposition temperature:	>480 °C

Oxidizing properties

Nol oxIdIsing

Vapour pressure:	not determ1ned
Density:	not determined
Water solubility:	misc1ble

Solubility in **other solvents**

No information avallable.

Partition coefficient:	No information available.
Viscosity / dynam1c:	No information available.
Vapour density·	No information available.
Evaporation rate:	No information available.

9.2. Other inforrnation

No informallon available.

SECTION 10: Stability and reactivity

10.1. Reactivity

This materia! Is cons1dered to be non-reactive under normal use cond1tions.
The product in the delivered form is not dust explos1on capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reactIon with:
Oxidising agent, strong
Alkali metals
Alkaline earth metal

10.4. Conditions to avoid

Do not expose to temperatures exceed1ng 50 "C/122 °F.

10.5. Incompatible materials

Aluminium

10.6. Hazardous decomposition products

No informahon available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

CASNo	Chemical name				
	Exposure roule	Dose	Spec1es	Source	Method
106-46-7	1,4-dichlorobenzene. p-dIchlorobenzene				
	oral	LDS0 > 2000 mg/kg	Rat	OECD Gu1deline 401	
	dermal	LDS0 > 2000 malka	Rat	OECD Gu1dellne 402	

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are no! met.

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing cancer. (1.4-dichlorobenzene, p-dichlorobenzene)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Reproduct1ve toxicity: Based on available data, !he 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. !he classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

CASNo	Chemical name					
	Aquatic toxic,ty	I0ose	1[h) 1 [dllspec,es		lsource	IMethod
106-46-7	**1,4-dichlorobenzene. p-dichlorobenzene**					
	Acute algae toxicity	IErC50	77,5 mg/1l	72 hl	IGESTIS	1

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
10EH6-7	1,4-dichlorobenzene, p-d1chlorobenzene	3.45

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No 1nformation available.

SECTION 13: Dlsposal conslderatlons

13.1. **Waste** treatment methods

Advice on disposal

Dispose of waste according to applicable leg1slation.

Contaminated packaging

Dispose of waste according to applicable legislatlon.

SECTION 14: Transport Information

Land transport (ADR/RID)

14.1. UN number: UN 3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1,4-Dichlorbenzol)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

Hazard label: 9
Classification code: M7
Special Provis1ons: 274 335 375 601
Limited quantity: 5 kg
Excepted quantity: E1
Transport category: 3
Hazard No: 90
Tunnel restriclion code: E

Inland waterways transport (ADN)

14.1. UN number: UN 3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1,4-Dichlorbenzol)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

Hazard label: 9
Classification code: M7
Special Provisions: 274 335 375 601
Lim1ted quantity: 5 kg
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN 3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (1,4-Dichlorobenzene)

14.3. Transport hazard class{es): 9

14.4. Packing group: III

Hazard label: 9
Marine pollutant: p
Special Provisions: 274,335,966,967,969
Limited quantity: 5 kg
Excepted quantity: E1
EmS: F-A, S-F

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3077

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE. SOLID, N.O.S. (1,4-Dichlorobenzene)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

Hazard label: 9
Special Provisions: A97 A158 A179 A197
Limited quantity Passenger: 30 kg G
Passenger LQ: Y956
Excepted quantity: E1
IATA-packing instructions - Passenger: 956
IATA-max. quantity - Passenger: 400 kg
IATA-packing instructions - Cargo: 956
IATA-max. quantity - Cargo: 400 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

Danger releasing substance: 1,4-0ichlorobenzene

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex **XVII):**

Entry 64: 1,4-dichlorobenzene, p-dichlorobenzene

National regulatory information

Water contaminating class (0): 2 - water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

1,4-dichlorobenzene, p-dichlorobenzene

SECTION 16: Other infonnation

Abbreviations and acronyms

ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International
Carriage of Dangerous Goods by Road)
RIO: Reglement intemational concemant le transport des marchandises dangereuses par chemin de fer (Regulations Conceming the
International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical lnstructions by the "International Civil Avialion Organization" (ICAO)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European lnventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose. 50 percent

Relevant H and EUH statements (number and full text)

H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were takeri respecttvely from the /ast version of the sub-contractor's safety data sheet.)