

Safety data for hazardous substances and preparations according to EC regulation 91/155/EEC

2240

1. Substance/description of preparation and company

1.1 description of preparation

Screen Cleaner soft

~~CAS~~ 24217, 24218, 24219

CAS 24217

CAS 24218

CAS 24219

1.2 producer/supplier

Kleinmann GmbH

street / P.O. Box

Am Trüb 13 / -

nationality / zip / city

D - 72820 Sonnenstuhl-Urdingen

telephone:

07128/92 92-0

telefax:

07128/92 92 92

1.3 responsible department

dept. Chemicals

1.4 emergency number

Advice Center for Poisoning Symptoms, Berlin: tel. 030 / 19240

2. Composition / information on components of preparation

2.1 general characterisation

mixture of solvents, scents and tensides.

2.2 hazardous components

CAS No.	description	weight - %	symbol
71-23-8	1-Propanol	<5	F, Xi

3. Possible dangers

3.1 description of dangers:

3.2 special information on danger for people and environment: -

4. First aid measures

4.1 general information

remove affected person from dangerous area and lay down.

remove clothes touched by the product.

4.2 inhaling

supply fresh air or oxygen. Consult emergency doctor if complaints are permanent.

in case of unconsciousness use stable lateral-position for transport

4.3 skin contact

wash off with water and soap immediately and rinse thoroughly.

in case of permanent skin irritation consult doctor.

4.4 eye contact

rinse open eyes under running water for various minutes. Consult doctor.

4.5 swallowing

rinse out mouth and drink water afterwards. do not provoke vomiting and consult a doctor

immediately.

4.6 information for the doctor

danger of aspiration when swallowing or vomiting.

symptomatic treatment: n.d.a.

CO2 firefighting powder or spray jetted water. Fight larger fires with spray jetted water or alcohol resistant foam

- 5.2 **extinguishing agents not suitable for safety reasons:**
fully jetted water

- 5.3 **special dangers caused by the material or the preparation, its combustion product or developing gases:**

development of explosive air-gas mixtures possible.
carbon monoxide can develop in a fire

- 5.4 **special protection equipment for firefighting**
wear breathing apparatus independent from the circulating air.
wear a complete protection suit
depending on size of the fire: coordinate with fire in the surroundings.

- 5.5 **additional information**
fire classification: n.a.
cool endangered containers with sprayed water.

6. Measures for accidental evolution

see point 8 (limitations of exposition and personal protection equipment) and point 13.

- 6.1 **personal safety measures:**
wear protective clothing. Keep unprotected people away
provide for sufficient ventilation.
keep away ignition sources.
avoid contact with eyes and skin.
- 6.2 **environmental protection measures:**
do not introduce larger quantities into sewerage system or into waters.
inform responsible authorities when sewerage system or waters are affected.
inform responsible authorities when soil is affected
- 6.3 **cleaning methods:**
take up with liquid-absorbing material (sand, infusorial earth, acid binder, universal binder).
provide for sufficient ventilation.
dispose contaminated waste material according to point 13.
- 6.4 **additional information** -

7. Storage and handling

7.1 handling

- 7.1.1 **information for safe handling:**
cool and dry storage in tightly closed cases.
provide for good ventilation/suction filter at the workplace.
provide for good ventilation at ground level (vapor is heavier than air).
- 7.1.2 **information on protection of fire and explosion:**
inflammable liquid. Vapor is heavier than air and can build explosive mixtures with air. Cool endangered containers with water.
Keep away ignition sources and do not smoke.
take measures against electrostatic charging.

7.2 storage

- 7.2.1 **requirements for storage rooms and containers:**
store in a cool place.
provide for solvent-resistant and tightly closing floor.
- 7.2.2 **information for materials stored together:** no prohibitions concerning materials stored together
- 7.2.3 **special storage conditions (see point 10.2):**
keep container tightly closed. Cool storage
protect from heat and direct sun exposure.

heating leads to increased pressure and danger of bursting.

store container in a room with good ventilation.

7.2.3 storage classification (VCI): n.d.a.

8. Limitations of exposition and personal protection equipment

8.1 additional information for the arrangement of technical plants: see point 7

8.2 components with limit values that are relevant to the workplace

CAS-No. description of material type value unit

(the lists valid during time of drawing up are used as basis.)

additional information: -

8.3 personal protection equipment

8.3.1 breathing protection: -

8.3.2 hand protection: -

8.3.3 eye protection: -

8.3.4 body protection: -

8.3.5 general protection and hygiene measures:

take the usual measures for the use of chemicals.

take off dirty, soaked clothes.

keep away from food, drinks and food stuff.

do not eat, drink and smoke at work.

wash your hands and use protective skin lotion before breaks and before end of work.

avoid eye and skin contact.

do not inhale gases / vapors / aerosols

9. Physical and chemical properties

9.1 appearance/odour:

state: liquid

color: transparent

odor: mild

9.2 data relevant for safety

pH value, undiluted: 7,2

change of state

boiling point/boiling area (in °C): n.av

melting point/melting area (in °C): n.av.

inflammability

flaming point (°C): > 50 °C (in closed crucible)

ignition temperature: > 360 °C

spontaneous inflammability (EC A16): n.d.a.

fire-fostering properties

danger of explosion: product is not explosive, but the development of explosive air-vapor mixtures is possible.

explosion limits:

lower explosion limit: 2,3 (Vol.%)

upper explosion limit: 13,5 (Vol.%)

steam pressure (hPa): n.d.a.

density 20°C (g/ml): 0,98 – 0,99

solubility

water solubility: mixable

viscosity, dyn. (mPa x s): n.d.a.

content of solvent (weight.%) 0-5 %

9.3 additional information

refraction index: 1,339

10. Stability and reactivity

- 10.1 **conditions to be avoided**
warmth, flames (see point 7 handling and storage)
- 10.2 **material to be avoided**
reaction with strong oxidizing agents
- 10.3 **hazardous decomposition products**
no hazardous decomposition products known if used as agreed.
- 10.4 **additional information**
n.a.v.

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11. Information concerning toxicology

- 11.1 **toxicologic tests**
acute toxicity
LD₅₀ / LC₅₀ - values relevant for classification:

component	type	value	species
n-Propanol	orally	8000 mg / kg	rat
	dermally	4000 mg / kg	rab
	inhaling	9.8 mg / L / 4 h	rat

primary irritative effects:

on the skin: no irritative effects known.
in the eye: light effects.

sensitizing effects:

no known sensitizing effects

subacute to chronic toxicity:

-

cancer-causing effects:

-

genetically harmful effects:

-

reproductively harmful effects:

-

additional toxicologic information:

- 11.2 **experience with humans:** long or regular contact can extract fat from the skin.
- 11.3 **additional information:** the preparation is classified with the conventional method according to the calculation procedure of the GefStoffV.

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12. Information on ecology

1. information about elimination (persistence and decomposability):

procedure: n.d.a.
method of analysis: n.d.a.
degree of elimination: n.d.a.
additional information: easy biological decomposition of the product.

2. behavior in environmental compartments

mobility and accumulative potential: n.d.a.
additional information: -

3. ecotoxic effects

aqueous toxicity
fish toxicity: 400 mg/l/48h
LC 50 (leuciscus idus, DIN 38412, part 15)
daphnia toxicity: n.d.a. mg/l/24h
EC 50 (daphnia magna, DIN 38412, part 11)
behavior in sewage plants:
disturbances of the decomposition activity of activated sludge cannot be expected if small quantities are correctly introduced into adapted biological sewage plants
respiratory problems due to communal

4. additional ecologic information

CSB value: 2230 mg / g

BSB5 value: 1630 mg / g

AOX value: n.a.

general informationhazard category for water: WGK 1 (self classification)
do not introduce larger undiluted quantities into ground
water, sewerage system or into waters.

self classification according to VCL: n.d.a.

decomposability: easy biological decomposition

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13. Information on disposal13.1 **product:** -13.2 **recommendation:** comply with regulations of local authorities
do not introduce larger undiluted quantities into ground
water, sewerage system or into waters.13.3 **waste key number:** 553 56
labeling: methanol and other liquid alcohols13.4 **for uncleaned packaging:**
safe handling: empty container completely. Do not make holes into uncleaned containers, do not cut or
weld them. Remains can possibly cause an explosion.

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14. Transport regulations14.1 **road- / rail transport (GGVS/ADR / GGVE/RID)**

class: 4.1

number / letter: 4 c

warning sign - danger - No.: 40

material - / UN - No.: 3175

description of good: Solids containing flammable liquid

comment: **for regulations concerning reduced quantities
see RN 2401a.**14.2 **transport on inland waterways (ADNR/GGV-Biosch)**14.3 **transport by sea ship(GGVSee / IMDG)**

class: 4.1

UN - No.: 3175

packaging group: II

EmS-No.: 4.1-05

MFAG: -

technically correct name: 1-Propanol

marine pollutant: -

14.3 **transport by plane (ICAO - TI / IATA-DGR)**

class: 4.1

UN / ID - No.: 3175

packaging group: II

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15. Regulations**labeling regulation on hazardous material including EC regulations (67/548/EEC as well as
88/379/EEC)**

symbol:

danger labeling:	-	
R-sentences:	-	
S-sentences:	2	keep out of the reach of children

national regulations

accident regulation:	n.a.
TA-air	n.t.
VbF:	does not apply

hazard category for water: WGK 1 (self classification)
 comply with limitations of use / limitations of distribution according to § 18 GefStoff-VO.
 comply with accident instructions BG: M 017 „solvents“.

16. additional information

the information refers to the product in its condition on delivery.

department issuing data sheet:	Dep. Chemicals
data sheet labeling:	filsoft1

Legend:

n.a. = not applicable / n.a. = not available / n.t. = not tested / n.d.a. = no data available / n.c.d. = not called differently

VbF = regulation on inflammable liquids

MAK = maximum concentration at workplace in mg/m³ = ppm

BAT = biological tolerance at workplace

TRbF = technical rules inflammable liquids

WGK = **hazard category for water**

WGK3 = heavily endangering water

WGK2 = endangering water

WGK1 = slightly endangering water

WGK0 = generally not endangering water

Kleinmann GmbH

The data listed here is supposed to describe the product with respect to the necessary safety precautions. They do not aim at establishing certain properties, and they are based on the current level of our knowledge. No liability.