

Safety Data Sheet

according to 29 CFR 1910.1200(g)

**PITT Artist Pen all Colours except metallic**

Revision date: 13.12.2019

Product code: 100-08x-xxx

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1. Identification**Product identifier**

PITT Artist Pen all Colours except metallic

Further trade names

PITT Artist Pen
 PITT Artist Pen Big Brush
 PITT Calligraphy Pens - all colors

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Ink in writing instrument

Details of the supplier of the safety data sheet

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Emergency phone number:

+49 (0) -911-9965 5550
 +49 (0) -911-61 64 26

2. Hazard(s) identification**Classification of the chemical****29 CFR Part 1910.1200**

This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).
 Not classified as hazardous according to criteria of Australian Safety and Compensation Council.

Label elements**Hazards not otherwise classified**

No data available.

3. Composition/information on ingredients**Mixtures****Chemical characterization**

Water-based ink with pigments, binders, humiditing agents, preservatives and surface active agents.

Hazardous components

CAS No	Components	Quantity
26530-20-1	octhilonone (ISO); 2-octyl-2H-isothiazol-3-one	0.007497 %

4. First-aid measures**Description of first aid measures**



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General information

Remove contaminated clothing immediately and dispose off safely.
 If victim is at risk of losing consciousness, position and transport on their side.
 Turn a vomiting person to the side.

After inhalation

In case of feeling unwell seek medical advice.

After contact with skin

Wash immediately with soap and plenty of water.

After contact with eyes

Rinse with eyelid held open for several minutes with running water. Medical treatment necessary.

After ingestion

Drink large amounts of water and fresh air.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

No data available.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

none, ink not burnable.
 If packaging or plastic boxes are burning: Carbon dioxide (CO₂). Extinguishing powder. Water spray. Fight against a major burning with: Water spray.

Unsuitable extinguishing media

For this substance / preparation no extinguishing agent restriction exist.

Specific hazards arising from the chemical

No specific hazards known.

Special protective equipment and precautions for fire-fighters

No special protective equipment.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Change contaminated clothing.

Environmental precautions

Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Reference to other sections

Information for safe handling, see section 7.
 Information for personal protective equipment, see section 8.
 Information for disposal, see section 13.

7. Handling and storage

Precautions for safe handling



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Advice on safe handling

Keep container tightly closed.

Advice on protection against fire and explosion

No special measures are necessary.

Further information on handling

No special measures are necessary.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Protect from freezing.

Recommended storage temperature: 5 - 35 °C

Hints on joint storage

none/none

8. Exposure controls/personal protection

Control parameters**Exposure limits**

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
56-81-5	Glycerin (mist) Respirable fraction	-	5		TWA (8 h)	PEL

Exposure controls**Protective and hygiene measures**

none/none

Eye/face protection

For normal use not necessary.

Hand protection

For normal use not necessary.

Skin protection

For normal use not necessary.

Respiratory protection

not necessary

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid
Color:	variable
Odor:	slightly
pH-Value:	8,5
Changes in the physical state	
Melting point/freezing point:	10 °C
Initial boiling point and boiling range:	100 °C
Sublimation point:	No data available.
Softening point:	No data available.
Pour point:	No data available.
:	No data available.
Flash point:	ca. 180 °C
Sustaining combustion:	Not sustaining combustion



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Flammability

Solid: No data available.
Gas: No data available.

Explosive properties

not explosive.

Lower explosion limits: No data available.

Upper explosion limits: No data available.

Ignition temperature: >400 °C

Auto-ignition temperature

Solid: No data available.

Gas: No data available.

Decomposition temperature: No data available.

Oxidizing properties

Not oxidizing.

Vapor pressure: No data available.

(at 20 °C)

Vapor pressure: No data available.

Density (at 20 °C): ca. 1 g/cm³

Bulk density: No data available.

Water solubility: completely miscible

Solubility in other solvents

No data available.

Partition coefficient: No data available.

Viscosity / dynamic: 7,4 mPa·s

(at 20 °C)

Viscosity / kinematic: No data available.

Flow time: No data available.

Vapor density: No data available.

Evaporation rate: No data available.

Solvent separation test: No data available.

Solvent content: ca. 25 %

Other information

Solid content: ca. 5 %

10. Stability and reactivity

Reactivity

not reactive.

Chemical stability

Stability: Stable

not proof against strong acids and bases.

Not proof against oxidizing and reducing agents.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

No hazardous reactions known.

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Conditions to avoid

No data available.

Incompatible materials

strong acids.
 strong oxidizers
 Reducing agent, strong

Hazardous decomposition products

none known

11. Toxicological information**Information on toxicological effects****Acute toxicity**

LD50: > 4000 mg/kg (Acute toxicity, oral, Rat calculated)

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
26530-20-1	octhilinone (ISO); 2-octyl-2H-isothiazol-3-one				
	oral	ATE 500 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 3 mg/l			
	inhalation aerosol	ATE 0,5 mg/l			

Irritation and corrosivity

Primary irritation: Irritation on skin: none known

Irritation on eye: Slight irritation possible

Carcinogenicity (OSHA): No ingredient of this mixture is listed.
 Carcinogenicity (IARC): No ingredient of this mixture is listed.
 Carcinogenicity (NTP): No ingredient of this mixture is listed.

12. Ecological information**Ecotoxicity**

Not toxic.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

13. Disposal considerations**Waste treatment methods****Disposal recommendations**

Waste disposal according to official state regulations and local regulations .

Disposal identification:

Water-based inks



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Contaminated packaging
Clean with water.

14. Transport information

US DOT 49 CFR 172.101

Proper shipping name: Not a hazardous material with respect to these transport regulations.

Marine transport (IMDG)

UN number: No dangerous good in sense of this transport regulation.

UN proper shipping name: No dangerous good in sense of this transport regulation.

Transport hazard class(es): No dangerous good in sense of this transport regulation.

Packing group: No dangerous good in sense of this transport regulation.

Other applicable information (marine transport)

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number: No dangerous good in sense of this transport regulation.

UN proper shipping name: No dangerous good in sense of this transport regulation.

Transport hazard class(es): No dangerous good in sense of this transport regulation.

Packing group: No dangerous good in sense of this transport regulation.

Other applicable information (air transport)

No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

Special precautions for user

No data available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available.

Other applicable information

No dangerous good in sense of these transport regulations.

15. Regulatory information

U.S. Regulations

National regulatory information

SARA Section 311/312 Hazards:
octhilonone (ISO); 2-octyl-2H-isothiazol-3-one (26530-20-1): Immediate (acute) health hazard

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

Hazardous Materials Information Label (HMIS)

Health:	0
Flammability:	0
Physical Hazard:	0

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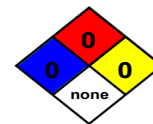
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NFPA Hazard Ratings

Health:	0
Flammability:	0
Reactivity:	0
Unique Hazard:	none
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Revision No:	1,09

**Abbreviations and acronyms**

EC: European Community
 CAS: Chemical Abstracts
 TRGS: Technische Regeln für Gefahrstoffe
 LD: letal Dose
 DIN: Deutsches Institut für Normung
 VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe
 A.W.: Anton Wolfgang
 HZVA: Herstellung, Zubereitung, Vertrieb und Anwendung. Abkürzung aus dem Europäischen Abfallverzeichnis.
 VOC: Volatile Organic Compounds
 EN: Europäische Norm

Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)