

Revised date : 09. Nov. 2018

1. Identification

1.1. Product identifier

Product identity Oxygen sensor
SENKO product name SS1118

1.2. Product Use

Sensing component for gas detection devices

1.3. Details of the supplier

Company name SENKO
Address 73, Oesammi-ro15beon-gil, Osan-si, gyeonggi-do,
18111, South Korea
Telephone 82-31-494-0445
Fax 82-31-492-0446
Email sales@senko.co.kr
Website <http://www.senko.co.kr>

2. Hazard Identification

This sensor is not considered a chemical hazard in normal use. the electrolyte and the components inside the sensor constitute the potential hazards. These are exposed as a result of housing damage.

3. Composition/Information on Ingredients

Components	Formula	CAS No
ABS(Acrylonitrile butadiene styrene)	$(C_8H_8)_x \cdot (C_4H_6)_y \cdot (C_3H_3N)_z$	9003-56-9
PTFE(Polytetrafluoroethylene)	$(CF_2CF_2)_n$	9002-84-0
Gold metal	Au	7440-57-5
Lead metal	Pb	7439-92-1
Potassium acetate	CH_3COOK	127-08-2
Acetic acid	CH_3CO_2H	64-19-7
Lead acetate	$Pb(CH_3COO)_2$	301-04-2
Platinum black	Pt	7440-06-4
Graphite	C	7782-42-5

4. First Aid Measures

Inhalation	Remove to fresh air.
Ingestion	DO NOT INDUCE VOMITING. wash out mouth thoroughly with water. obtain medical advice.
Eye contact	Check for and remove contact lenses. Immediately flush eyes with gentle but large stream of water for at least 15 minutes. obtain medical advice if applicable.
Skin contact	Flush affected area with plenty of water for at least 15 minutes. Remove contaminated clothing and wash before re-use. obtain medical advice if applicable.

5. Fire-Fighting Measures

Fire extinguishing media	Water spray, Foam, Dry powder or Carbon dioxide.
Hazardous combustion products	Lead acetate and ABS may evolve toxic gases in a fire.
Advice for fire fighter	Wear self contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental Release Measures

The electrolyte and some components inside the sensor are the only potential hazards. If exposure occurs handle putting on personal protective equipment; eye glasses, disposable gloves(nitrile or latex gloves).

7. Handling and Storage

Sensors must not be exposed to temperatures, humidities and pressures outside the ranges specified in the individual sensor data sheets.
should not be exposed to organic vapours, which may damage sensor housing.

8. Exposure Control / Personal Protection

No eye or skin protection required in normal use.

9. Physical and Chemical Properties

The sensors are sealed units containing small quantities of materials listed in section 3.

10. Stability and Reactivity

Stable under recommended storage conditions.

11. Toxicological Information

The sensors are sealed units containing small quantities of materials listed in section 3. deliberate disassembly can lead to exposure to those materials.

12. Ecological Information

Lead compound : Not available

Potassium acetate : Not available

Acetic acid : 423mg/l 24hours[Fish(goldfish)]. 88ppm 96 hours [Fish (fathead minnow)]. 75ppm 96 hours [Fish (bluegill sunfish)]. >100ppm 96 hours [Daphnia].

13. Disposal Consideration

Waste must be disposed of in accordance with local environmental control regulations.

14. Transport Regulation

There are no specific requirements for packaging, labelling etc.

15. Regulatory Information

UN2800 "Batteries Wet Non-Spillable", Dangerous Goods Regulation Section 4.5.