

Safety data sheet

Page: 1/10

BASF Safety data sheet
Date / Revised: 12.12.2016
Product: **MasterSeal 901 PART C**

Version: 1.0

(30437573/SDS_GEN_AU/EN)

Date of print 13.12.2016

1. Substance/preparation and manufacturer/supplier identification

MasterSeal 901 PART C

Use: Product for construction chemicals

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place Southbank
Victoria 3006, AUSTRALIA
Telephone: +61 3 8855-6600
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

Classification of the substance and mixture:

Oxidising solids: Cat. 3

Acute toxicity: Cat. 4 (oral)

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 2A

Respiratory sensitization: Cat. 1

Skin sensitization: Cat. 1

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Hazardous to the aquatic environment - acute: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

May intensify fire; oxidizer. Causes serious eye irritation. Causes skin irritation. Harmful if swallowed. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause respiratory irritation. Harmful to aquatic life.

Precautionary Statements (Prevention):

Wear protective gloves and eye/face protection. Do not breathe dust/gas/mist/vapours. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Wash with plenty of water and soap thoroughly after handling. Do not eat, drink or smoke when using this product. Take any precaution to avoid mixing with combustibles ... Keep/Store away from clothing/combustible materials.

Precautionary Statements (Response):

If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Wash with plenty of soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If eye irritation persists: Call a POISON CENTER or doctor/physician. In case of fire: Use... to extinguish.

Precautionary Statements (Storage):

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements (Disposal):

Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition/information on ingredients

Chemical nature

oxidizing agents

Peroxydisulfuric acid ($[(HO)S(O)_2]_2O_2$), disodium salt

CAS Number: 7775-27-1

Hazardous ingredients

Peroxydisulfuric acid ($[(HO)S(O)_2]_2O_2$), disodium salt

Content (W/W): $\geq 75\%$ - $\leq 100\%$	Ox. Sol.: Cat. 3
CAS Number: 7775-27-1	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2A
	Resp. Sens.: Cat. 1
	Skin Sens.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

After inhalation of dust. Keep patient calm, remove to fresh air. If difficulties occur: Obtain medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

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

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Sulphur dioxide, sulphur trioxide, disodium oxide, toxic gases/vapours

If product is heated above decomposition temperature, toxic vapours will be released.

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Containers may rocket or explode in heat of fire. Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure build up due to heat. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Avoid dust formation. Do not breathe dust. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable appliance and dispose of. Dispose of contaminated material as prescribed.

For large amounts: Pick up with suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations.

Avoid raising dust.

7. Handling and Storage

Handling

Avoid dust formation. Wear suitable protective clothing and eye/face protection. Avoid inhalation of dusts/mists/vapours. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

Substance/product in the dry state promotes fires. The relevant fire protection measures should be noted.

Storage

Segregate from reducing agents. Segregate from flammable substances. Segregate from strong acids. Segregate from strong bases. Segregate from heavy metals.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE)

Further information on storage conditions: Protect against moisture. Protect against contamination. The product should not come into contact with exposed iron or non-ferrous metal during storage or processing.

Storage stability:

Keep container dry because product takes up the humidity of air.

8. Exposure controls and personal protection

Components with occupational exposure limits

Peroxydisulfuric acid ($[(HO)S(O)_2]_2O_2$), disodium salt, 7775-27-1;
TWA value 0.1 mg/m³ (ACGIHTLV)
Measured as: persulfate
Peak limitation 0.01 mg/m³ (OEL (AU))
Peak limitation 0.01 mg/m³ (AU NOEL)

Personal protective equipment

Hand protection:
butyl rubber (butyl) - 0.7 mm coating thickness
Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:
Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:
light protective clothing, thick material, Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:
Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form: crystalline
Colour: white
Odour: odourless
Odour threshold: No applicable information available.

pH value: approx. 4.3
(250 g/l, 20 °C)

Melting temperature: > 180 °C
The substance / product decomposes.

Boiling point: > 180 °C
The substance / product decomposes therefore not determined.

Flash point:	The substance/product is non-combustible.	
Evaporation rate:	The product is a non-volatile solid.	
Flammability (solid/gas):	not flammable	
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Thermal decomposition:	approx. > 65 °C	
Self ignition:	not self-igniting	
Explosion hazard:	not explosive	
Fire promoting properties:	Oxidizing.	
Vapour pressure:	The product has not been tested.	
Density:	approx. 1.2 g/cm ³ (20 °C)	
Relative density:	approx. 2.6	
Bulk density:	1,200 - 1,350 kg/m ³ (20 °C)	
Relative vapour density (air):	The product is a non-volatile solid.	
Solubility in water:	556 g/l (20 °C)	
Hygroscopy:	hygroscopic	
Partitioning coefficient n-octanol/water (log Pow):	-3.02	(calculated)
	(25 °C)	
Viscosity, dynamic:	not applicable, the product is a solid	

10. Stability and Reactivity

Conditions to avoid:
See MSDS section 7 - Handling and storage.

Thermal decomposition: approx. > 65 °C

Substances to avoid:
reducing agents, strong acids, strong bases, heavy metal salts

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:
Reacts with reducing agents, heavy metals.

Possible decomposition products:
sulfur oxides

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Of moderate toxicity after single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Experimental/calculated data:
LD50 rat (oral): 895 mg/kg

LC50 rat (by inhalation): > 5.1 mg/l 4 h (OECD Guideline 403)

LD50 rabbit (dermal): > 10,000 mg/kg (other)

Irritation

Assessment of irritating effects:
Irritating to eyes and skin. No reliable data was available concerning skin irritation.

Respiratory/Skin sensitization

Assessment of sensitization:
The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible. Animal studies and human data do not exclude a sensitizing potential.

Germ cell mutagenicity

Assessment of mutagenicity:
No mutagenic effect was found in various tests with bacteria and mammalian cell culture. The substance was not mutagenic in studies with mammals.

Reproductive toxicity

Assessment of reproduction toxicity:
No data available.

Developmental toxicity

Assessment of teratogenicity:
No data available.

Specific target organ toxicity (single exposure):

BASF Safety data sheet
Date / Revised: 12.12.2016
Product: **MasterSeal 901 PART C**

Version: 1.0

(30437573/SDS_GEN_AU/EN)

Date of print 13.12.2016

Assessment of STOT single:
Causes temporary irritation of the respiratory tract.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
Acutely harmful for aquatic organisms. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Toxicity to fish:
LC50 (48 h) 388 mg/l, *Oncorhynchus mykiss* (static)
Nominal concentration.

Aquatic invertebrates:
LC50 (48 h) 64.6 mg/l, *Daphnia magna* (static)

Aquatic plants:
EC10 (96 h) 33 mg/l, *Scenedesmus quadricauda* (static)

Microorganisms/Effect on activated sludge:
EC50 > 1,000 mg/l, aerobic microorganisms (static)

Mobility

Assessment transport between environmental compartments:
No data available.

13. Disposal Considerations

Observe national and local legal requirements.
The waste code in accordance with the European waste catalog (EWC) must be specified in cooperation with disposal agency/manufacturer/authorities.
Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Domestic transport:

Hazard class:	5.1
Packing group:	III
ID number:	UN 1505
Hazard label:	5.1
Proper shipping name:	SODIUM PERSULPHATE

Further information

BASF Safety data sheet
Date / Revised: 12.12.2016
Product: **MasterSeal 901 PART C**

Version: 1.0

(30437573/SDS_GEN_AU/EN)

Date of print 13.12.2016

Hazchem Code:1Z
IERG Number:31

Sea transport

IMDG

Hazard class: 5.1
Packing group: III
ID number: UN 1505
Hazard label: 5.1
Marine pollutant: NO
Proper shipping name: SODIUM PERSULPHATE

Air transport

IATA/ICAO

Hazard class: 5.1
Packing group: III
ID number: UN 1505
Hazard label: 5.1
Proper shipping name: SODIUM PERSULPHATE

15. Regulatory Information**Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

Registration status:

AICS, AU released / listed

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

BASF Safety data sheet

Date / Revised: 12.12.2016

Product: **MasterSeal 901 PART C**

Version: 1.0

(30437573/SDS_GEN_AU/EN)

Date of print 13.12.2016

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.