

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

PRODUCT NAME: MAX 3007 INSTANT PLUG

MANUFACTURER'S NAME: SEMITRONE CONCHEM LTD. Reviewed & Approved by

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2. HAZARD IDENTIFICATION

Classification of the substance or mixture Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Corr. 1A - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT SE 3 - H335
Environmental hazards	Not Classified

Human health Dust may irritate the respiratory system. Symptoms following overexposure include the following: Coughing. Dust has an irritating effect on moist. Prolonged contact with moist or wet product may cause burns. Frequent inhalation of dust over a long period of time increases the risk of developing lung disease. This product should be handled with care, to avoid the formation of dust.

Environmental In the presence of water the product hardens to a solid mass which is not biodegradable.

Label elements

Hazard pictograms



Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of contents/ container in accordance with local regulations.
 Contains CEMENT , CALCIUM SULFOALUMINATE
 Supplementary P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405
 precautionary statements Store locked up.

Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

3. COMPOSITION & INGREDIENTS INFORMATION

Mixtures

CEMENT	30-60%
CAS number: 65997-15-1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Corr. 1A - H314	-
Eye Dam. 1 - H318	
STOT SE 3 - H335	
CALCIUM SULFOALUMINATE	10-30%
CAS number: 65997-15-1	EC number: 266-043-4
No. REACH: Exempt of registration	
Classification	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1B - H317	
STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4. FIRST AID: EMERGENCY PROCEDURES Description of first aid measures

General information No personal protective equipment is needed for first aid responders. First aid workers should avoid contact with wet cement or wet cement containing preparations.

Inhalation Move affected person to fresh air at once. Dust in throat and nasal passages should clear spontaneously. Get medical attention if symptoms are severe or persist.

Ingestion Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin contact Wash immediately with copious quantities of water. Remove contaminated clothing immediately. Obtain medical advice if skin orders develop.

Eye contact Do not rub eye. Immediately flush with plenty of water and continue flushing during transport to hospital. Bring these instructions.

Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Ingestion Ingestion of large amounts may cause unconsciousness. Ingestion of large doses may result in irritation to the gastrointestinal tract.

Skin contact May have an irritating effect on moist skin after prolonged contact, or may cause dermatitis after repeated contact. Prolonged skin contact with wet preparation may cause serious burns without pain being felt, including through clothing. Eye contact Eye contact may cause serious and potentially irreversible injuries.

Indication of any immediate medical attention and special treatment needed Notes

for the doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media the product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Special hazards arising from the substance or mixture

Specific hazards Water used for fire extinguishing, which has been in contact with the product, may be corrosive. No unusual fire or explosion hazards noted.

Hazardous combustion No known hazardous decomposition products. Products

Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters Use protective equipment appropriate for materials. for surrounding

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of dust. Use work methods which minimize dust production. Avoid contact with eyes and prolonged skin contact. Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental precautions

Environmental precautions Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely. Dry material: Collect powder using special dust vacuum cleaner with particle filter. Alternatively, damp powder with fine spray (to avoid dust formation) and remove slurry. Place into container and allow to solidify before disposal as described in section 13. Wet material: Clean up wet material and place in a container. Allow to dry and solidify before disposal as described in section 13. 6.4.

Reference to other sections

Reference to other sections for personal protection, see Section 8. For waste disposal, see Section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Avoid generation and spreading of dust. Avoid inhalation of dust. Mechanical ventilation or local exhaust ventilation may be required. Change contaminated clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Unsuitable container materials: Aluminium. The product contains less than 2 mg chromate/kg dry cement, and this limit will not be exceeded for 6 months from the packing date stated on the packaging. Seal opened containers and use up as soon as possible. To be stored out of reach of children in its original packaging in a dry place.

Storage class Store in Cool dry area.

Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters Occupational exposure limits

CEMENT

Long-term exposure limit (8-hour TWA) : WEL 4 mg/m³

CALCIUM SULFOALUMINATE

Long-term exposure limit (8-hour TWA) : 4 mg/m³ respirable dust
Long-term exposure limit (8-hour TWA) : 10 mg/m³ inhalable dust

WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of dust. Observe any occupational exposure limits for the product or ingredients.

Personal protection

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. This product may present a chromate (VI) allergy risk. It contains a chromate reducing agent, but users should wear appropriate personal protective equipment.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. (conform EN 166)

Hand protection

Wear protective gloves. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. If signs of wear and tear are noticed then the gloves should be replaced.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

This product contains silica sands.

The grain size distribution of silica sand present means that it is not classified as hazardous. However, any respirable crystalline dust generated by secondary processing may cause health effects.

Prolonged and /or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness.

Occupational exposure to respirable crystalline silica dust should be monitored and controlled. Change contaminated clothing.

Respiratory protection	Wear a suitable dust mask. Wear a respirator fitted with the following cartridge: Particulate filter, type P2. (EN 149)
Environmental exposure controls	Not available

9. PHYSICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Powder.
Colour	Grey.
Odour	Odourless.
pH	> 12
Melting point	1250°C
Initial boiling point and range	Not determined.
Flash point	Not determined.
Relative density	1.3 @ 27°C
Solubility(ies)	Not applicable.

Other information

Other information	Not determined.
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10. STABILITY & REACTIVITY DATA Reactivity

Reactivity When mixed with water, hardens to form a stable mass that is not reactive in normal conditions.

Chemical stability

Stability Stable at normal ambient temperatures. When stored under humid conditions, the chromate neutralization will decrease. This product contains a chromate reducing agent to reduce the risk of allergic dermatitis caused by chromium (VI). This product has a shelf life. If not stored in accordance with packaging instructions (sealed and dry), there is an increased risk of the presence of hexavalent chromate leading to an increased risk of an allergic reaction. The product will harden into a solid mass in contact with water and moisture.

Possibility of hazardous reactions Water, moisture.

Conditions to avoid

Conditions to avoid

Incompatible materials

Materials to avoid Strong acids.

Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

11. Toxicology Information

Information on toxicological effects

Inhalation	Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
Ingestion	Not likely, due to the form of the product. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin contact	Dust has an irritating effect on moist skin. Prolonged contact with moist or wet product may cause burns.
Eye contact	Dust or splashes from the mixture may cause permanent eye damage. Immediate first aid is necessary.

Acute and chronic health frequent inhalation of dust over a long period of time increases the risk of developing lung hazards diseases.

Toxicological information on ingredients.

CEMENT

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.0 mg/kg) Species
Rabbit

Serious eye damage/irritation

Serious eye Causes serious eye irritation. Damage
/ Irritation

CALCIUM SULFOALUMINATE

General information May cause respiratory allergy.

12. Ecological Information Toxicity

Ecotoxicity The product is not expected to be hazardous to the environment.

Persistence and degradability

Persistence and degradability the product is not biodegradable.

Ecological information on ingredients.

CEMENT

Persistence and Expected to be not readily biodegradable degradability

CALCIUM SULFOALUMINATE

Persistence and Expected to be not readily biodegradable degradability

Bio accumulative potential

Ecological information on ingredients.

CEMENT

Bio accumulative potential No data available on bioaccumulation.

CALCIUM SULFOALUMINATE

Bio accumulative potential No data available on bioaccumulation.

Mobility in soil

Mobility The product is not volatile but may be spread by dust-raising handling.

Ecological information on ingredients.

CEMENT

Mobility Insoluble in water.

CALCIUM SULFOALUMINATE

Mobility Insoluble in water.

Results of PBT and vPvB assessment

Ecological information on ingredients.

CEMENT

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

CALCIUM SULFOALUMINATE

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Other adverse effects

Ecological information on ingredients.

CEMENT

Other adverse effects

CALCIUM SULFOALUMINATE

Other adverse effects

13. Disposal Information

Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport Information

UN number

UN No. (ADR/RID)	3262
UN No. (IMDG)	3262
UN No. (ICAO)	3262
UN No. (ADN)	3262

UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS CEMENT , LITHIUM HYDROXIDE)
Proper shipping name (IMDG)	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS CEMENT , LITHIUM HYDROXIDE)
Proper shipping name (ICAO)	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS CEMENT , LITHIUM HYDROXIDE)
Proper shipping name (ADN)	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (CONTAINS CEMENT , LITHIUM HYDROXIDE)

Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C6
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels



Packing group

ADR/RID packing group I

IMDG packing group I

ICAO packing group I

ADN packing group I

Environmental hazards

Environmentally hazardous substance/marine pollutant No.

Special precautions for user

IMDG Code segregation 18. Alkalis group

EmS F-A, S-B

ADR transport category 1

Emergency Action Code 2X

Hazard Identification Number

(ADR/RID) 88 Tunnel

restriction code (E)

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

Transport in bulk according to not applicable. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory Information

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

National regulations The Manufacture, storage and import of hazardous chemicals rules 1989.

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance Workplace Exposure Limits EH40.

CHIP for everyone HSG228.

Approved Classification and Labelling Guide (Sixth edition) L131.

Safety Data Sheets for Substances and Preparations.

Chemical safety assessment

16. Other Information

General information	The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	06/07/2020
Revision	4A
Supersedes date	30/08/2015
SDS number	23075
Hazard statements in full	H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.