



**PURE ORGANICA CORP.**  
BUSINESS CONSULTING & DEVELOPMENT

IN PARTNERSHIP CON  
**SYNDEGO ITALIA S.R.L.**



# **SCHEDA DI SICUREZZA PCM INORGANICI TI-SKIN®**

MSDS — Safety Data Sheet for TI-SKIN Inorganic PCMs · 2026

**SYNDEGO, LLC · BY PURE ORGANICA CORP.**

In partnership con Syndego Italia S.r.l. · Technological innovation for well-being and energy savings

**BY PURE ORGANICA CORP.**  
CON SYNDEGO ITALIA S.R.L.

## 1. Product and Company Name

**Trade Name:** TI-SKIN 28 · **Chemical Name:** Hydrated Salts and Hydrated Magnesium Aluminum Silicate, Hydrated Sodium Calcium Aluminosilicate · **Primary Use:** Thermal Energy Management

**Company:** Syndego, LLC — TI-SKIN 28 (C) · **Emergency Phone:** ChemTrec 800-424-9300 · **International:** 703-527-3887

## 2. Composition, Information

| Chemical Name                      | %     | CAS        |
|------------------------------------|-------|------------|
| Sodium Sulphate                    | 45–60 | 7757-82-6  |
| Sodium Tetraborate                 | <5    | 1303-96-4  |
| Hydrated Magnesium Aluminosilicate | 10–25 | 12174-11-7 |
| Water                              | 35–60 | 7732-18-5  |

## 3. Hazards Identification

**Emergency Overview — Appearance:** Brown-pinkish brown. Once hydrated this combination of chemicals is packaged in a water tight, multi layered, heat sealing film. In this configuration the product is expected to be a very low hazard for its contemplated industrial or commercial use. If while in its liquid phase a tear in the foil develops, some very small amount of liquid material could contact the skin. **Target Organs:** No data found.

**Potential Health Effects — Eye:** may cause eye irritation · **Skin:** may cause skin irritation · **Ingestion:** ingestion of large amounts may cause gastrointestinal irritation; low hazard for usual industrial handling · **Inhalation:** extremely unlikely to be inhaled — product is either a dense solid or a pudding-like liquid; low hazard for usual industrial handling · **Chronic:** no information found.

## 4. First Aid Measures

**Eyes:** flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eye lids. If irritation develops get immediate medical attention.

**Skin:** flush skin with plenty of soap and water for at least 15 minutes while removing any contaminated clothing articles. Get medical attention if irritation develops or persists. Wash clothing before reuse.

**Ingestion:** never give anything by mouth to an unconscious person. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2–4 cupfuls of water or milk. Get medical attention if irritation or symptoms occur.

**Inhalation:** remove from exposure to fresh air immediately. If not breathing, give artificial respiration; if breathing is difficult give oxygen. Get medical attention if cough or other symptoms occur.

**Notes to physician:** treat symptomatically and supportively.

## 5. Fire Fighting Measures

**General information:** as in any fire, wear a self-contained breathing apparatus in pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. During a fire, irritating and highly toxic gasses may be generated by thermal decomposition and/or combustion.

**Extinguishing media:** this material is non-flammable. Use the agent most appropriate to extinguish the surrounding fire.

## 6. Accidental Release Measures

**General information:** use proper personal protective equipment as indicated in section 8.

**Spills / leaks:** vacuum or sweep up material and place into a suitable disposal container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the protective equipment section. Avoid using water to clean up spills as the combination can become slippery.

## 7. Handling and Storage

**Handling:** gloves should be worn when handling the product as the packaging film may be easier to control. Wash thoroughly after handling. In the unlikely event of a tear in the film and exposure to the material inside: remove contaminated clothing and wash before reuse; wash hands before eating. Minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Avoid inhalation and ingestion.

**Storage:** store in original un-opened containers whenever possible, out of direct sunlight.

## 8. Exposure Controls, Personal Protection

**Eyes:** wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or EU Standard EN166.

**Respiratory protection:** respiratory protection should be worn when there is a potential to exceed exposure limits or guidelines. If none are presented, wear respiratory protection when adverse effects such as respiratory irritation or discomfort have been experienced, or when indicated by your risk assessment process. In dusty or misty environments use an approved particulate respirator. Effective types of air purifying respirators: High Efficiency Particulate Air (HEPA) N95.

**Skin:** wear appropriate protective gloves to prevent possible skin exposure. · **Clothing:** wear appropriate protective clothing to prevent possible skin exposure.

## 9. Physical and Chemical Properties

**Form:** solid under 81°F, liquid above 82°F · **Odor:** none · **Color:** brown to gray · **NFPA rating (estimated):** Health 1; Flammability 0; Reactivity 0 · **Solubility:** insoluble · **Density:** 1.27

## 10. Stability and Reactivity

**Chemical stability:** stable at room temperatures in closed packaging under normal storage and handling conditions. Phase changes from liquid to solid will occur within the package as packaging is exposed to temperatures ranging from 75–86°F.

**Conditions to avoid:** high traffic areas where the film might be punctured · **Incompatibilities with other materials:** none ·

**Hazardous polymerization:** will not occur.

## 11. Toxicological Information

**Carcinogenicity:** CAS# 10043-52-4 not listed by IARC, NTP, or OSHA.

**Toxicity data:** CAS# 10043-52-4 typical for this family of materials — LD50 Oral, Rat 918–1668 mg/kg; LD50 Dermal, Rabbit > 5,000 mg/kg. For the minor components CAS# 7747-40-7, in animals effects have been reported on the following organs after ingestion: GI tract, heart, and kidney — however dose levels producing these effects were many times higher than any dose levels expected from exposure due to use. CAS# 8031-18-3: prolonged repeated inhalation of respirable crystalline silica dust may cause delayed lung injury; however once processed and packaged no respirable silica is present.

**Reproductive effects:** no information available / none listed · **Mutagenicity:** CAS# 10043-52-4, CAS# 8031-18-3 no evidence of mutagenic effect; CAS# 7747-40-7 in vitro genetic toxicity studies were positive but the relevance of this to humans is unknown.

## 12. Ecological Information

CAS# 10043-52-4 is not expected to cause oxygen depletion in aquatic systems; it has low potential to affect aquatic organisms and secondary waste treatment organisms. CAS# 8031-18-3 insoluble in water and not biologically degradable.

**Freshwater fish toxicity:** CAS# 10043-52-4 LC50 Bluegill 8,350–10,650 mg/l; CAS# 7747-40-7 LC50 Rainbow Trout 4,236 mg/l ·

**Algae toxicity:** IC50, OECD 209 test: activated sludge respiration inhibition > 1,000 mg/l · **Bio-accumulation:** none · **Other:** this chemical is not likely to bio-concentrate.

### 13. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** none listed · **RCRA U-Series:** none listed.

### 14. Transportation Information

Not classified as a dangerous good for transport. **U.S. DOT 49 CFR 172.101:** not regulated · **TDG (Canada):** not regulated. Ensure that no dust is created (and wind blown) during transportation.

### 15. Regulatory Information

**TSCA:** CAS 10043-52-4 is listed on the TSCA Inventory; CAS 8031-18-3 is listed or exempt from the TSCA requirements · **Chemical test rules:** none are under a chemical test rule · **Section 12b:** none are listed under TSCA Section 12b · **TSCA Significant New Use Rule:** none have a SNUR under TSCA.

**Section 302 (RQ):** none of the chemicals in this material have an RQ · **Section 302 (TPQ):** none have a TPQ · **Section 313:** no chemicals are reportable · **WHMIS classification:** D2A. All components of this product are listed on either the DSL or the NDSL.

### 16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall TI-SKIN or Syndego be liable for any claims, losses or damages of any third party for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if TI-SKIN or Syndego has been advised of the possibility of such damages.