

1. IDENTIFICATION OF SUBSTANCE**Trade name:** TITANIUM PLUS SHIRT & LAUNDRY DETERGENT**Product Number:** 5911**Application of the substance / the preparation:** Laundry Detergent**Manufacturer/Supplier:**Fabritec International, Inc.
8145 Holton Drive, Suite 110
Florence, KY 41042 USA
(859) 781-8200**Further Information:**

Chemtrec Assistance (800) 424-9300 USA

2. HAZARDS IDENTIFICATION**Hazard Description:** Skin irritant Category 2, Eye damage Category 1.

GHS05

Signal word

Danger!

Hazard statement(s)

Causes skin irritation and serious eye damage

May cause respiratory irritation

Precautionary statement(s)

Wear protective gloves/protective clothing/eye protection/face protection.

Immediately call a POISON CENTER/doctor.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. COMPOSITION / INFORMATION ON INGREDIENTS**CAS No. & Description:** Mixture of substances with nonhazardous additives.

497-19-8	Sodium Carbonate	30-40%
15630-89-4	Sodium Percarbonate	10-20 %
64-02-8	Tetrasodium EDTA	<10 %
10213-79-3	Sodium Metasilicate	<5 %
68955-19-1	Sodium C12-18 Fatty alcohol sulfates	3-5 %
68439-46-3	Ethoxylated C9-11 alcohols	2-4 %

Exact percentages have been withheld due to trade secret.

4. FIRST AID MEASURES**General information:****After inhalation:** Remove to fresh air.**After skin contact:** Wash area with water.**After eye contact:** Flush with water and seek medical care.**After swallowing:** Unlikely, however, if swallowed seek medical help.**5. FIRE FIGHTING MEASURES****Suitable extinguishing agents:** Will not support combustion. Not Flammable.**Special hazards caused by the substance, its products of combustion or resulting gases:** None known**Protective equipment:****Additional information:****6. ACCIDENTAL RELEASE MEASURES****Person-related safety precautions:** Wear safety glasses or Goggles.**Measures for environmental protection:** For spills, sweep into containers and dispose according to regulations.**Measures for cleaning/collecting:** Sweep into containers.**Additional information:****7. HANDLING AND STORAGE****Handling:****Information for safe handling:** Provide adequate ventilation.**Information about fire and explosion prevention:****Storage:** No special requirements.**Requirements to be met by storerooms and receptacles:** None.**Information about storage in one common storage facility:** None available.**Further information about storage conditions:****8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Additional information about design of technical systems:****Ingredients with limit values that require monitoring at the workplace:** None known**Additional information:****Personal protective equipment:** Wear eye protection and protective gloves.**General protective and hygienic measures:** Avoid direct contact and wash hands prior to eating and drinking.**Respiratory protection:** If dust present use particle/dust masks.**Protection of hands:** Protective gloves.**Eye protection:** Goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES**General information:****Form:** White powder**Color:** White**Odor:** Citrus**Change in condition:****Melting point/Melting range not available:****Boiling point/Boiling range:** Not applicable.**Flash point:** None.**Auto-ignition temperature:** Not applicable.**Decomposition temperature:** Not determined.**Danger of explosion:** None.**Density at 20° C (68°F):** 0.7**Solubility in/ Miscibility with water:** ≥ 99 %**pH value at 20°C (68°F):** 11 (1% in water).**Viscosity:** Not applicable**Solvent content:** ≤1 %**10. STABILITY AND REACTIVITY****Thermal decomposition / conditions to be avoided:** Stable under normal conditions.**Decomposition starts at:** Not determined.**Dangerous reactions:** Avoid acid contact.**Dangerous decomposition products:** Oxides of carbon**11. TOXICOLOGICAL INFORMATION****Acute toxicity:****LD/LC50 values that are relevant for classification:** Sodium Percarbonate: LD50 1034 mg./Kg. Oral rat; Sodium Meta Silicate LD50 800mg./Kg. Oral Rat. Sodium C12-18 fatty alcohol sulfates; LD50 2000mg./Kg. Oral rat.**Primary irritant effect:****On the skin:** Irritant.**On the eye:** Severely irritating.**Sensitization:** Not determined.**Additional toxicological information:****12. ECOLOGICAL INFORMATION****Information about elimination (persistence and degradability):** Do not allow undiluted product to reach ground water, sewage system or other water systems.**Other information:****Behavior in environmental systems:****Mobility and bioaccumulation potential:** Not determined.**Ecotoxic effects:** no assessment.**Acquatic toxicity:** no assessment.**General notes:****13. DISPOSAL CONSIDERATIONS****Product:****Recommendation:** Dispose per local regulations. Product is biodegradable.**Uncleaned packaging:****Recommendation:** Rinse container with water and dispose as non-hazardous material.

14. TRANSPORT INFORMATION**DOT Regulations:****Hazard Class:** None**Land Transport ADR/RID (cross-border):****ADR-RID class:** None**Maritime transport IMDG:****IMDG class:** None**Marine pollutant:****Air transport ICAO-TI and IATA-DGR:****ICAO/IATA class:** None**15. REGULATORY INFORMATION****Labeling:****Code letter and hazard designation of product:****Risk phrases:** R21, R22, R36**Safety phrases:** S20, S22, S24/ 25, S26, S27/28**National regulations:****Technical instructions (air):** Unknown**Waterhazard class:** Unknown.**16. OTHER INFORMATION**

The information provided in these documents is based on our present state of knowledge of the product and is given in good faith and to the best of our experience. However, it should not be construed as a technical specification or as guaranteeing specific properties. In no event will we be responsible for damages of effects of any nature whatsoever, either express or implied, resulting from the use of this information. It is the responsibility of the consignee and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

P: Marine Pollutant

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent