

Safety Data Sheet

1. PRODUCT IDENTIFICATION

PRODUCT NAME TS-130, TS-130+ CAS# 7631-86-9
CHEMICAL FAMILY Colloidal Silica
T.S.C.A. STATUS In Compliance
RECOMMENDED PRODUCT USE..... Cementitious Additive
RESTRICTED PRODUCT USE..... For Commercial/Industrial Use Only
MANUFACTURED BY..... Innovative Concrete Technology
92 Thomas Road
Port Murray, NJ 07865
Phone: 908-453-2737 Info: www.bestadmix.com

2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Precautionary Statements:

Prevention:

Wash hands thoroughly after handling.

Response:

Specific measures: Consult SDS Section 4

Storage:

Store in accordance with local regulations. Protect product from freezing.

Other Hazards:

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE:	CAS#	Concentration
Colloidal Silica	7631-86-9	5 - 25%

4. FIRST-AID MEASURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING.

EYE CONTACTRinse with plenty of water. Get medical attention if symptoms occur.

SKIN CONTACTWash off with soap and plenty of water. Get medical attention if symptoms occur.

INGESTIONWash out mouth with water. Get medical attention if symptoms occur.

INHALATIONGet medical attention if symptoms occur.

NOTES TO PHYSICIAN: Treat symptomatically.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see **Section 2**) and/or in **Section 11**

5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA.....Use water spray, foam, dry chemicals, or CO2.

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. Not flammable or combustible. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Stop leak if safe to do so. Contain spillage and then collect with non-combustible absorbent material. (e.g. sand, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see **Section 13**). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements.

GENERAL PROTECTIVE MEASURES:

EYE PROTECTION Employees should wear protective eye-goggles with side protection shield.
SKIN PROTECTION Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink.
VENTILATION Use local ventilation. No personal respiratory protective equipment is normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE LIQUID
COLOR..... CLEAR
ODOR ODORLESS
ODOR THRESHOLD..... NA
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY 10.1-10.2 lbs./gal
RELATIVE DENSITY..... 1.21 – 1.22 (25 C)
VISCOSITY..... ND
pH..... 10 – 10.4
MELTING POINT..... ND
FREEZING POINT..... ND
PARTITION COEFFICIENT: N-OCTANOL/WATER.NA
BOILING RANGE..... 60-100 C
VAPOR PRESSURE..... ND
VAPOR DENSITY..... NA
EVAPORATION RATE..... NA
FLAMMABILITY..... NA
FLASH POINT..... WILL NOT BURN
IGNITION TEMP..... ND

DECOMPOSITION TEMPERATURE.....ND
% VOC: VALUE: ND

10. STABILITY AND REACTIVITY

HAZARDOUS REACTIONS : No dangerous reaction known under conditions of normal use.
CHEMICAL STABILITY: Stable under normal conditions.
INCOMPATIBLE MATERIALS: Contact with strong acids may generate heat, splattering or boiling, and toxic vapors.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides.
CONDITIONS TO AVOID: Freezing temperatures.

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>5,000 mg/kg (Rat)
FISH, LC50.>10,000 mg/l
EYE EFFECTS.ND
SKIN EFFECTSND
SENSITIZATIONND

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: ND
BACTERIA TOXICITY: ND
ENVIRONMENTAL EFFECTS: This product has no known ecotoxicological effects.

13. DISPOSAL CONSIDERATIONS

If this product becomes a waste, it is not hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) 49 CFR 261, since it does not have the characteristics of Subpart C, nor is it listed under Subpart D.

PRODUCT: If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-REGULATED
D.O.T. HAZARD CLASSIFICATION: NON-REGULATED
FRT. CLASS PACKAGE: 55
IATA: NON-REGULATED
IMDG: NON-REGULATED

15.REGULATORY DATA

US REGULATIONS:

TSCA: Not relevant.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, section 302.

SARA 312:	Immediate(acute) health hazard	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16.OTHER INFORMATION

Innovative Concrete Technology warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. **Innovative Concrete Technology.** makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall **Innovative Concrete Technology** be liable for consequential, special, or indirect damage resulting from the use or handling of this product.

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