MATERIAL SAFETY DATA SHEET

Product name:Dry flow additive T-931 **Revision:** June 4.2021

Version: 3 **Print date:**

1. CHEMICAL PROSUCT AND COMPANY IDENTIFICATION

Product Name: Dry flow additive T-931

Manufacturer: Shanghai Suo shi chemical Industrial Co.,Ltd

Factory Address: No.66,baizhoubain,guanlongRoad, dongcheng District, dongguan City, guandongProvince, China

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical composition:

Chemical name	**CAS No.**	**Composition**
Aluminum oxide	1344-28-1	10-20%
White carbon black	7631-86-9	80-90%

3 . HAZARDS IDENTIFICATION

Eye:Dust or fumes from fabrication operations may cause irritation

Skin:A single exposure to the skin is unlikely to result in harm.

Ingestion: No hazards expected from normal industrial exposure. May cause gastrointestinal irritation with nausea,vomiting and diarrhea.

Inhalation: Exposure to vapors at elevated temperatures may cause irritation to respiratory tract and difficulty breathing.

Items hazard classification（GHS classification）：NO

4. FIRST AID MEASURES

Eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.Consult a physician of irritation occurs.

Skin : Flush skin with plenty if soap and water.Get medical aid if irritation develops or persists.

Ingestion : Rinse mouth with water. Do NOT induce vomiting.Never give anything by mouth to an unconscious person.Consult a physician.

Inhalation: Remove from exposure and move to fresh air immediately.Seek medical attention if symptoms develop.

5. FIRE-FIGHTING MEASURES

General Information: As in any fire,wear a self-contained breathing apparatus in pressure-demand.

During a fire,irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.Use water spray,carbon dioxide,dry chemical powder,or appropriate foam.

6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Evacuate personnel to safe areas. Vacuum or sweep up material and place into a suitable disposal container.Avoid dust formation.Avoid breathing dust.

Ensure adequate ventilation.Do not let product enter drains and environment.

7. HANDLING AND STORAGE

Handling: In accordance with good industrial practice,handle with care and avoid unnecessary personal contact. Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust,vapor, mist, or gas. Do not eat, drink or smoke while handling the product. Avoid prolonged or repeated exposure.

Storage: Store in a cool, dry, well-ventilated away from incompatible substances. Store in a tightly closed container. Keep away from heat sources and oxidants. Store away from foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits：

Dust in the air of workplace allowable concentration

China standard GBZ2．1-2019 chemicals of occupational exposure limit:

TWA：8mg/m3(The total dust concentration)

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Individual Protection for Industrial Use

Eyes: wear chemical splash goggles.

Skin: wear appropriate protective gloves to prevent skin exposure.

Clothing: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respirators: Follow the OSHA respirator regulation found in 29CFR 1910.134 or European Standard EN 149.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White very fine powder
PSD（D50）	2～3um
Solid content	＞99%

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid : Static discharge ,spark

Materials to Avoid :strong acid ,strong alkali, strong oxidant and water

Hazardous Decomposition Products : Oxides of carbon and oxides of phosphor etc .toxic vapours.

Hazardous Polymerisation: will not occur

11. TOXICOLOGICAL INFORMATION

LD50/LC50: Not available

Other: To the best of our knowledge,the chemical ,physical ,and toxicological properties have not been thoroughly investigated..

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available

Other: Do not allow product to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

	IATA	IMDG	RID/ADR
Proper shipping name	Not regulated	Not regulated	Not regulated

15. REGULATORY INFORMATION

Regulations information：Reference local, domestic, European Union/international rules and regulations

Dangerous symbols：No material

Dangerous term：No material

Security description：S3/9/14，R23/25 Avoid contact with skin and eyes

16. OTHER INFORMATION

MSDS Creation Date: June 4.2021

Use or store product according to the criteria of industrial hygiene and local regulations This MSDS summarizes our best knowledge of the health and safety hazard information of the product ,and it is validated on issue date.If the version is updated in the future, we will not notify again.If further information is required ,please visit the Shanghai Suo Shi Chemical Industrial Co,.Ltd .website: http://www.suoshichem.com