QINGDAO SANHUAN COLORCHEM CO., LTD.

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MATERIAL SAFETY DATA SHEET

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DIRECT YELLOW 50
Color Index Name: DIRECT YELLOW 50
Chemical Formula: C35H24N6Na4O13S4
Molecular Weight: 956.82
CAS No.: 3214-47-9
Company Identification:
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Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content%	Hazardous
DIRECT YELLOW 50	3214-47-9	100	No

Section 3 - HAZARDS IDENTIFICATION

Emergency Overview

Color: Yellow
Form: Powder
Odor: Odorless
Target Organs: None
Most Important Hazards: Harmful if swallowed. May cause stomach discomfort. Respiratory Irritation. May cause irritation to eyes. May cause skin irritation in sensitive individuals. Possible risks of Irreversible effects.

Potential Health Effects

Eye: Dust may cause irritation and inflammation
Skin: Prolonged or repeated contact may cause skin irritation
Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation: May cause irritation of the respiratory tract.

Chronic Effects of Exposure

None know

Section 4 - FIRST AID MEASURES

Eye: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water.

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Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid immediately.

Notes to Physician: Treat symptomatically and supportively.

Section 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, irritation and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media

Use agent most appropriate to extinguish fire.（Water, Foam, Dry Chemical）

Autoignition Temperature:	Not available
Flash Point:	Not available
NFPA Rating:	Not Published.
Explosion Limits Lower:	Not available
Explosion Limits Upper:	Not available

Section 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. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.

Section 7 - HANDLING AND STORAGE

Handling

Approved respirator. Chemical safety goggles. Rubber gloves. Use only in chemical fume hood. Safety shower and eye-bath. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage

Preserve in tight and light-resistant containers. Store in a cool, dry place. Keep containers tightly closed.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls

Equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

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Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to minimize contact with skin.
Respirators: Wear an approved respirator when necessary.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Appearance: Yellow powder
Odor: odorless
pH: 7.5
Vapor Pressure: Negligible.
Vapor Density: Not available.
Evaporation Rate: Negligible.
Viscosity: Not available.
Boiling Point: Not applicable.
Freezing/Melting Point: Not available.
Autoignition Temperature: Not applicable.
Flash Point: Not applicable.
Decomposition Temperature: No information.
Explosion Limits Lower: Not available.
Explosion Limits Upper: Not available.
Specific Gravity/Density: Not available.
Molecular Formula: C35H24N6Na4O13S4
Molecular Weight: 956.82

Section 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, excess heat, strong oxidants.
Incompatibilities with Other Materials: Strong Oxidizing agent, strong reducing agent.
Hazardous Decomposition Products: Irritating and toxic fumes and gases
Hazardous Polymerization: Will not occur.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#: Unlisted
LD50/LC50:
Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology: No information present.
Teratogenicity: No information present.
Neurotoxicity: No information present.
Mutagenicity: Mutagenicity data reported.
Other Studies: See actual entry in RTECS for complete information.
Acute effects may be harmful by inhalation, ingestion,or skin absorption.

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Cause eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract. To the best of our knowledge, the chemical,physical and toxicological properties have not been thoroughly investigated.

Section 12 - ECOLOGICAL INFORMATION

No information available.

Section 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 - TRANSPORT INFORMATION

US DOT: No information available
IMO: Not regulated as a hazardous material
IATA: Not regulated as a hazardous material
RID/ADR: Not regulated as a hazardous material
Canadian TDG: No information available
Shipping Name: No information available.
Hazard Class: No information available.
UN Number: No information available.
Packing Group: No information available.

Section 15 - REGULATORY INFORMATION

European/International Regulations

US FEDERAL

Canada

WGK

Non hazardous chemical, no special labeling is required.

Section 16 - ADDITIONAL 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 Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.