



SAFETY DATA SHEET

CATALYST SB WF 001

Identification of the Substance / Preparation and Company

Product Details

Trade Name : Catalyst SB WF 001
Product No :

Supplier Details

: LIQUID COLOURS (PTY) LTD
P O BOX 2685
Edenvale
1610
South Africa

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Email: info@liquidcolours.co.za
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Composition / Information On Ingredients

Chemical Characterisation : p-Toluenesulfonic Acid - Isopropyl Alcohol

Hazardous Ingredients : Isopropyl Alcohol
Cas Number: 67-63-0
Content: 60 - 65

Hazardous Ingredients : Toluenesulfonic Acid
Cas Number: 104-15-4
Content: 30 - 35

Hazards Identification

Emergency Overview : Harmful if swallowed.
Irritating to eyes, respiratory system and skin. Dizziness and drowsiness may occur.

First Aid Measures

- General Information** : Remove contaminated clothing immediately and safely dispose.
- Contact with skin** : In case of contact with skin wash off immediately with soap and water and should adverse reaction occur seek medical advice.
- Contact with eyes** : In case of contact with eyes rinse thoroughly with plenty of lukewarm water with eyelids held open and seek medical advice. Remove contact lenses if worn.
- Inhalation** : If a victim breathes in large amounts of vapour, move to fresh air. If breathing is difficult, administer medical oxygen. Give artificial respiration if not breathing. Get immediate medical attention.
- Ingestion** : Do not induce vomiting. Give large quantities of water or milk. Never give anything by mouth to an unconscious person. Seek medical advice immediately.

Accidental Release Measures

- Environmental Precautions** : Keep out of sewers, storm drains, surface waters and soils.
- Clean-up Methods*
- Small spills** : Can be scraped up manually and disposed of in approved waste container.
- Large spills** : Contain by diking with soil or other non combustible absorbent and dump into an approved waste container, or absorb with non-combustible absorbent material and place in an approved waste container for disposal at a controlled site. Dispose of contaminated product and cleaning material according to local regulations.
- National advice** : Comply with all applicable governmental regulations in spill reporting, handling and disposal of waste.

Fire - Fighting Measures

- Suitable Extinguishing Media** : Water Spray Jet
Carbon Dioxide
Dry Powder
Foam
- Protective Clothing** : Fire fighters should wear full protective equipment and self contained breathing apparatus with full face piece in positive pressure mode.
- Environmental Precautions** : Keep out of sewers, storm drains, surface waters and soils.

Exposure Controls / Personal Protection

Ingredients with limit values that require workplace monitoring:
Isopropyl Alcohol: OSHA PEL-TWA 400ppm; ACGIH TLV-TWA 400ppm

Personal Protective Equipment

Engineering Control Measures : Local mechanical exhaust ventilation capable of maintaining emissions at the point of use.

Personal Protection

Respiratory : Full respiratory protection should be readily available in if vapours are present or spray may be formed.

Hands : Wear appropriate hand protection (rubber gloves or neoprene gloves).

Eyes : Tightly sealed safety goggles or approved safety glasses.

Skin : Wear overalls, safety shoes / boots and rubber apron to prevent skin contact.

Other : An eyewash and safety shower should be nearby and ready for use.

General protective and hygienic measures:

Avoid contact with eyes and skin.
Do not breathe gas/fumes/vapours/spray.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.

Physical And Chemical Properties

Appearance : Clear Liquid
Odour : Alcohol / Solvent
PH Value : Acidic
Density : 0.93 grams per cubic centimetre at $\pm 25^{\circ}\text{C}$
Boiling point range : $82^{\circ}\text{C}/180^{\circ}\text{F}$ (Isopropyl Alcohol)
Melting point range : Not applicable
Flash Point : 12°C (Isopropyl Alcohol)
Ignition Temp : Not established
Danger of Explosion : Not established
Solubility In Water : Soluble
Vapour Pressure : Not established

Handling And Storage

Handling : Product should be handled in accordance with good Industrial Hygiene and Safety practices. Store in a cool, well ventilated area away from sources of heat, flame or ignition.

Storage : Product should be stored in a dry place at room temperature. Keep from freezing. Keep containers tightly closed. Keep only in original container labelled containers in a well ventilated place. Do not store in unlined steel drums as product is acidic and will react generative hydrogen gas. Store in lined, plastic or glass containers. Storage stability: storage period 12 - 24 months.

Stability And Reactivity

Stability : Stable if properly handled and stored.

Conditions to avoid : Do not mix with solutions containing Bleach or Ammonia.

Dangerous reactions : Reacts with ferrous metals and may generate hydrogen gas.

Incompatible Materials : Reacts with alkalis and most metals and releases highly flammable hydrogen.

Toxicological Information

The following information is based on the p-Toluenesulfonic acid

Acute Toxicity : Oral LD50 (Rat) > 2000mg/kg.
Remarks : EU classification of p-Toluenesulfonic acid: Irritating to eyes, respiratory system and skin.

The following information is based on the Isopropanol

Acute Toxicity : Oral LD50 (Rat) > 4700mg/kg.
Dermal LD50 (Rabbit) > 5000mg/kg.
Inhalation LC50 (Rat) = 19,000 ppm (8 hours) (Vapour).

Irritation Effect : Eyes : Moderate (Rabbit)
Skin : Mild (Rabbit)

Remarks : EU classification of Isopropyl alcohol: Irritating to eyes.
Vapours may cause drowsiness and dizziness.

Disposal Considerations

Recommendation : Do not allow product to reach ground water, water course or sewage system. Disposal of product must be in accordance with federal, state and local environmental control regulations. Uncleaned packages must be disposed of in same manner as product. Must not be disposed together with household garbage.




Waste information : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Ecological Information

Ecotoxicity : Not available.

Biodegradation

Transport Information:

| Regulatory Information | UN Number | Shipping Name | Hazardous Class | Packing Group | Label |
|------------------------|-----------|--|-----------------------------|---------------|--|
| DOT Classification | UN2924 | Flammable liquids, corrosives, N.O.S. (Isopropyl Alcohol, Arylsulfonic Acid) | Class 3 (subsidiary risk 8) | II |  |
| Regulatory Information | UN Number | Shipping Name | Hazardous Class | Packing Group | Label |
| IMDG | UN2924 | Flammable liquids, corrosives, N.O.S. (Isopropyl Alcohol, Arylsulfonic Acid) | Class 3 (subsidiary risk 8) | II |  |
| Regulatory Information | UN Number | Shipping Name | Hazardous Class | Packing Group | Label |
| ICAO/IATA | UN2924 | Flammable liquids, corrosives, N.O.S. (Isopropyl Alcohol, Arylsulfonic Acid) | Class 3 (subsidiary risk 8) | II |  |

Regulatory Information

NTP, IARC, & OSHA : This product does not contain any substances listed as a carcinogen.
RCRA : Formulated products may or may not be hazardous under RCRA and should be evaluated.

SARA Title 111 Section 313 : This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Supplier Notification Right to Know Act of 1986 and of 40 CFR 372.

Other : This product does not contain or is it manufactured with ozone depleting chemicals.

HMIS Information : **Health** 2
Flammability 3
Physical Hazard 0

Other Information

Terms of use : This summarises at the date of issue our best knowledge of health, environmental hazard and safety information related to the product, how to safely handle, use, store and transport the product. Since Liquid Colours cannot anticipate or control the conditions on which the product may be handled, used, stored or transported, every user must prior to usage review the MSDS in relation to intended use, storage and transport of the product in the workplace and elsewhere. Such information should be communicated to all relevant parties. If further information is required please contact Liquid Colours.

Liquid Colours shall not assume any liability for the accuracy or completeness of the information contained herein or any advice given. Liquid Colours sole and exclusive warranty is that its products comply with Liquid colours published chemical and physical specifications in effect at the time of sale. Liquid Colours liability for claim suits is in all cases limited to the purchase price of the particular quantity of product upon which the claim is based. Under no circumstances shall Liquid Colours be liable for loss of profits or any other indirect and consequential loss or damage.