

# SINORIGHT INTERNATIONAL TRADE CO LTD

RM106 TAIHUA BUILDING B AREA FREE TAX ZONE DALIAN CHINA  
TEL:0086-411-39210844 FAX:0086-411-39210855 Email: info@sinoright.net

## MATERIAL SAFETY DATE SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Aspirin  
Catalog Code: RS1-0001  
Synonym: Acetylsalicylic acid  
Chemical Formula:  $C_9H_8O_4$   
CAS #: 50-78-2

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name: Aspirin

CAS#: 50-78-2

% by Weight: 100%

Toxicological Data on Ingredients:  
ORAL LD50 (mouse): 200 mg/ kg (Rat)

### SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant). Slightly hazardous in case of skin contact (corrosive permeator), of ingestion, of inhalation. Severe overexposure can result in death.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available

MUTAGENIC EFFECTS: Not available

TERATOGENIC EFFECTS: Not available

DEVELOPMENTAL TOXICITY: Not available

Aspirin is toxic to blood, lungs, and mucous membranes. Prolonged or repeated exposure can damage target organs.

#### SECTION 4: FIRST AID MEASURES

**Eye Contact:**

Check for and remove contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Warm water should be used. Seek medical attention.

**Skin Contact:**

In case of contact, immediately wash skin with non-abrasive soap and plenty of water. Cover the irritated skin with an emollient. Seek medical attention.

**Serious Skin Contact:**

Wash with a disinfecting soap and cover exposed area with anti-bacterial cream. Seek immediate medical attention.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

**Serious Inhalation:**

Evacuate victim to a safe area. Loosen tight clothing. If breathing is difficult, administer oxygen. If victim is not breathing, administer mouth to mouth resuscitation. Seek medical attention.

**Ingestion:**

Do not induce vomiting. Loosen tight clothing. If a large quantity of aspirin is swallowed, seek medical attention immediately.

**Serious Ingestion:** Not available.

#### SECTION 5: FIRE-FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flammable Limits: Not available.

Flash Points: Not available

Products of Combustion: These products are carbon oxides (CO, CO<sub>2</sub>)

Special Remarks on Explosion Hazards: Not available.

Fire Hazards in Presence of Various Substances: Not Available

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Special Remarks on Fire Hazards: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:

Poisonous solid. Stop leaks if without risk. Do not touch spilled material. Prevent entry into sewers, basement, or confined areas. Call for assistance on disposal.

## SECTION 7: HANDLING AND STORAGE

Precautions:

Keep container dry. Ground all material containing material. Do not ingest. Do not breathe dust. Never add water to this product. If ingested, seek medical advice immediately. Avoid contact with skin and eyes.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

If laboratory operations generate dust, fume or mist, use local exhaust ventilation or other appropriate engineering controls to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Solid.

Odor: Not Available

Taste: Not Available

Molecular Weight: 180.15 g/mole

Color: Not Available

pH (1% soln/water): Not Available

Boiling Point: Not Available

Melting Point: 139°C (282.2°F)

Critical Temperature: Not available

Specific Gravity: 1.35

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not Available.

Ionicity (in Water): Not available.

Dispersion Properties: Not Available

Solubility: Very slightly soluble in cold water.

## SECTION 10: STABILITY AND REACTIVITY

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Not Available

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation. Ingestion. Eye Contact.

Toxicity to Animals: Acute oral toxicity (LD50): 200 mg/kg [Rat]

Chronic effects on humans:

Causes damage to the following organs: blood, lungs, and mucous membranes.

Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (corrosive permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals:

Embryo toxic and/ or foetotoxic in animal.

Special Remarks on Chronic Effects on Humans:

Excreted in maternal milk in humans.

Special Remarks on other Toxic Effects on Humans:

Not available.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation:

The products of degradation are more toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not Available

## SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

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

#### SECTION 14: TRANSPORT INFORMATION

DOT Classification: CLASS 6.1; Poisonous material.

Identification: Toxic solid, organic

Special Provisions for Transport: Not applicable.

#### SECTION 15: REGULATORY INFORMATION

Federal and State Regulations:

California prop 65: This product contains the following ingredients for which the state of California has found to cause cancer, birth defect, or other reproductive harm, which would require a warning under the statute; acetylsalicylic acid. This product contains the following ingredients for which the state of California has found to cause reproductive harm (male) which would require a warning under the statute: Acetylsalicylic acid. This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute; acetylsalicylic acid. Pennsylvania RTK; acetylsalicylic acid. Massachusetts RTK; acetylsalicylic acid TSCA 8(b) inventory; acetylsalicylic acid.

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910, 1200)

Other Classifications:

WHMIS (Canada): Class D-2A: Material causing other toxic effects (VERY TOXIC)

DSCL (EEC):

R25 – Toxic if swallowed. R36/38 – irritating to eyes and skin

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

## SECTION 16: OTHER INFORMATION

References: Not available.

Other Special Considerations: Not available.

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