

Safety Data Sheet

Strong Isoamyl Acetate Solution (10%)

CAROLINA[®]
www.carolina.com

Section 1 Product Description

Product Name: Strong Isoamyl Acetate Solution (10%)
Recommended Use: Science education applications
Synonyms: Strong Pellet Solution, Isoamyl Acetate Solution
Distributor: Carolina Biological Supply Company
2700 York Road, Burlington, NC 27215
1-800-227-1150
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

DANGER



Fatal in contact with skin. Causes skin irritation.

GHS Classification:

Acute Toxicity - Dermal Category 1, Skin Corrosion/Irritation Category 2

Acute Toxicity Dermal Contains 90 % of the mixture consists of ingredient(s) of unknown toxicity

Section 3 Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS #</u>	<u>%</u>
Mineral Oil	8042-47-5	90
Isoamyl Acetate	123-92-2	10

Section 4 First Aid Measures

Emergency and First Aid Procedures

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin Contact: IF ON SKIN: Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5 Firefighting Procedures

Extinguishing Media: Use dry chemical, CO2 or appropriate foam.
Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and/or Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.
Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Section 6 Spill or Leak Procedures

Safety Data Sheet

Steps to Take in Case Material Is Released or Spilled:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

Section 7 Handling and Storage

Handling: Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Do not ingest or take internally. Avoid contact with skin and eyes.

Storage: Store locked up. Keep container tightly closed in a cool, well-ventilated place.

Storage Code: Green - general chemical storage

Section 8 Protection Information

Chemical Name	ACGIH		OSHA PEL	
	(TWA)	(STEL)	(TWA)	(STEL)
Mineral Oil	5 mg/m ³ TWA (excluding metal working fluids, highly & severely refined, inhalable fraction)	N/A	5 mg/m ³ TWA	N/A
Isoamyl Acetate	50 ppm TWA (listed under Pentyl acetate, all isomers)	100 ppm STEL (listed under Pentyl acetate, all isomers)	100 ppm TWA; 525 mg/m ³ TWA	N/A

Control Parameters

Engineering Measures:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Personal Protective Equipment (PPE):

Lab coat, apron, eye wash, safety shower.

Respiratory Protection:

No respiratory protection required under normal conditions of use.

Respirator Type(s):

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye Protection:

Wear chemical splash goggles when handling this product. Have an eye wash station available.

Skin Protection:

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves:

Nitrile

Section 9 Physical Data

Formula: See Section 3

Molecular Weight: No data available

Appearance: Colorless Liquid

Odor: Strong Fruity

Odor Threshold: No data available

pH: No data available

Melting Point: No data available -79 C

Boiling Point: No data available

Flash Point: No data available

Flammable Limits in Air: No data available

Vapor Pressure: No data available

Evaporation Rate (BuAc=1): No data available

Vapor Density (Air=1): No data available

Specific Gravity: No data available

Solubility in Water: Practically Insoluble

Log Pow (calculated): No data available

Autoignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

Percent Volatile by Volume: 10%

Section 10 Reactivity Data

Reactivity:

Not generally reactive under normal conditions.

Chemical Stability:

Stable under normal conditions.

Safety Data Sheet

Conditions to Avoid: Elevated temperatures Temperatures above flash point in combination with sparks, open flames, or other sources of ignition.

Incompatible Materials: Strong oxidizing agents, Acids, Caustics (bases), Strong reducing agents

Hazardous Polymerization: Will not occur

Section 11 Toxicity Data

Routes of Entry: Ingestion.

Symptoms (Acute): Respiratory disorders, Gastrointestinal,

Delayed Effects: No data available

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
Mineral Oil	8042-47-5	Oral LD50 Rat > 4300 mg/kg Oral LD50 Mouse > 4300 mg/kg		INHALATION LC50 Rat 3400 ppm INHALATION LC50 Rat 61 GM/M3 INHALATION LC50 Rat 61000 MG/M3 INHALATION LC50 Rat > 1400 ppm
Isoamyl Acetate	123-92-2	Oral LD50 Rat 16600 mg/kg Oral LD50 Rabbit 7422 mg/kg	Dermal LD50 Rabbit > 5 GM/KG	

Carcinogenicity:

Chemical Name	CAS Number	IARC	NTP	OSHA
Mineral Oil	8042-47-5	Not listed	Not listed	Not listed

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.

Teratogenicity: No evidence of a teratogenic effect (birth defect).

Sensitization: No evidence of a sensitization effect.

Reproductive: No evidence of negative reproductive effects.

Target Organ Effects:

Acute: No information available

Chronic: No information available

Section 12 Ecological Data

Overview: This material is not expected to be harmful to the ecology.

Mobility: This material is expected to have only slight mobility in soil. It absorbs strongly to most soil types.

Persistence: Biodegradation, Evaporation into atmosphere, Photodegradation

Bioaccumulation: No data

Degradability: No data

Other Adverse Effects: No data

Chemical Name	CAS Number	Eco Toxicity
Mineral Oil	8042-47-5	96 HR LC50 LEPOMIS MACROCHIRUS > 10000 MG/L
Isoamyl Acetate	123-92-2	No data available

Section 13 Disposal Information

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Waste Disposal Code(s): Not Determined

Safety Data Sheet

Section 14

Transport Information

Ground - DOT Proper Shipping Name:
Not regulated for transport by US DOT.

Air - IATA Proper Shipping Name:
Not regulated for air transport by IATA.

Section 15

Regulatory Information

TSCA Status: All components in this product are on the TSCA Inventory.

Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
Mineral Oil	8042-47-5	No	No	No	No	No
Isoamyl Acetate	123-92-2	No	No	5000 lb final RQ (listed under Amyl acetate); 2270 kg final RQ (listed under Amyl acetate)	No	No

Section 16

Additional Information

Revised: 09/03/2014

Replaces: 08/27/2014

Printed: 04-21-2015

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstract Service Number	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
DOT	U.S. Department of Transportation	ppm	Parts per million
IARC	International Agency for Research on Cancer	RCRA	Resource Conservation and Recovery Act
N/A	Not Available	SARA	Superfund Amendments and Reauthorization Act
		TLV	Threshold Limit Value
		TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health