

Material Safety Data Sheet

suing Date 12/27/2010
Revision Number 0
Revision Number 0

Starch Indicator Solution

Product Name

Product Code(s)

Recommended Use

Test kit reagent. Laboratory chemicals, Industrial (not for food or food contact use).

Company

LaMotte Company, Inc. 802 Washington Avenue P.O. Box 329 Chestertown, MD 21620

24 Hour Emergency Number (CHEM-TEL);
USA, Canada, Puerto Rico 1-800-256-3924
Outside North American Continent (Call collect) 813-248-0685

2 HAZARDSIDENTIJON

Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes, and clothing
May be harmful if revallowed
May cause eye irritation
Appearance Colorless
Physical State Liquid

Odor None

While this material is not considered hezardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Skin and eye contact

OSHA Regulatory Status

Potential Health Effects Principle Routes of Exposure

Acute Toxicity

inhalation

Contact with eyes may cause inflation.

No hazard from product as supplied.

Not an expected route of exposure.

May cause gastrointestinal discomfort if consumed in large amounts.

Chronic Effects

ingestion

Prolonged skin contact may cause skin irritation and/or dermatitis

3 COMPOSITION INFORMATION ON INGREDIENTS

		Water	Salloylic acid	Soluble Starch (Amylodextrin)	Chemical Name
RST AID MEASURES	1732-13-3	7727-80	8-60-000	ONLO PY O	CASAL
	to 100%	0.13	0.5	Weight %	

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Solution

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Eye Contact General Advice Do not get in eyes, on skin, or on clothing.

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If imitation persists or develops, contact a physician.

Skin Contact Wash off with warm water and soap. If skin irritation persists, call a physician.

Drink plenty of water. Do not induce vomiting without medical advice (pH 3). Consult a physician. Never give anything by mouth to an unconscious person.

ingestion Inhalation

Protection of First-aiders Use personal protective equipment. See Section 8 for more detail. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical.

5. FIRE-FIGHTING MEASURES

Flammable Properties

Flash Point

Suitable Extinguishing Media

Not a fire hazard.

Not applicable

Dry chemical, CO₂, alcohol-resistant foam or water spray.

Explosion Data Health Hazard 0

> Flammability 0 Stability 0

Physical and Chemical Hazards -

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Refer to Section 8. Avoid contact with skin, eyes, and clothing.

Neutralize spill with alkaline material (sodium bicarbonate), being careful to prevent splatients, then contains ize sturry and hold for later disposal. If local regulations permit, splatients, then contains rize to drain with excess water. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Methods for Cleaning Up

Handle in accordance with good industrial hygiene and safety practice. Prevent contact with skin, eyes, and dothing. Do not ingest. Do not eat, drink, or smoke when using this product.

Keep containers lightly closed in a dry, cool, and well-ventilated place. Store at room temperature, Keep away from direct sunlight. Keep away from heat and incompatibles. temperature. Keep away from dir Keep out of the reach of children

6: EXPOSURE CONTROLS | PERSONAL PROTECTION

 Water 7732-18-5	Salicylic acid 69-72-7	Soluble Starch (Amylodextrin) 9005-84-9	Chemical Name
None Known	None Known	None Known	ACGIH TLV
Nane Known	None Known	None Known	OSHA PEL
None Known	None Known	None Known	WIOSH IDLX

Personal Protective Equipment

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EyelFace Protection
Skin and Body Protection
Respiratory Protection

Safety glasses with side-shields.

Wear protective gloves/doltring.

When workes are facing concentrations above the exposure limit they must use appropriate certified respirators.

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling

Hygiene Measures

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Physical State Flash Point

Liquid Not applicable

Odor pH Boiling Point/Range

ca. 100 °C / 212 °F

Vapor Pressure <17 mmHg @ 20°C Vapor Density <1(Air = 1)

10 STABILITY AND REACTIVITY

Stability Stable under normal conditions of use and storage.

Incompatible Products Strong oxidizing agents. Iron salts.

Conditions to Avoid Excessive heat. Incompatible products. Direct sunlight

lazardous Decomposition Products Carbon monoxide (CO)

tazardous Polymerization Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Water	Salicylic acid	Soluble Starch (Amylodextrin)	Chemical Name
SO mL/kg (Rat)	891 mg/kg (Rat)	None Known	LD50 Oral
None Known	2000 mg/kg (Rabbit) 2000 mg/kg (Rat)	Name Known	LD50 Dermal
None Known	0.9 mg/L (Rat) 1 h	None Known	LC50 inhalation

Chronic Toxicity

Chronic Toxicity

Prolonged skin-contact may cause skin initation and/or dermatitis

Maria Kana	Salicylic acid None Know	(Arnylodexizin)	Soluble Starch None Know	Chemical Name ACGIH
TWO	OWE		nden	I
None Known	None Known		None Known	JARC
None Known	None Known		None Known	NIP
None Known	None Known		None Known	OSHA

_	_	_		_
Water	Salicylic acid	Soluble Starch (Amylodextrin)		Chemical Name
None Known	None Known	None Known	Candidate List	EU - Endocrine Disrupters
None Known	None Known	None Known	Evaluated Substances	EU - Endocrine Disruptors -
None Known	None Known	None Known	Information	Japan - Endocrine Disruptor

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Chemical Name

Toxicity to A

Soluble Starch (Amylodextrin) Salicylic acid

Water

None Known

None

- Hand Colories

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Valter

None Known None Knows June Kn. --1. 1. A. क्षा इंद्र

Chemical Name Soluble Starch (Amylode Salicylic acid Water None Known 0 - 2.28 37 °C None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose socording to federal, state, and local regulations. If permitted, neutralize reagent with sodium bicarbonate/sodium carbonate, add slurry to large volume of water to dilute, trase to drain with socess water.

Chemical Name
Soluble Starch
wiodearin) - 9005-84-9
billoylic acid - 99-72-7
Water - 7732-18-5

Sokble Starch mylodextrin) - 9005-84-8 Salicylic adid - 69-72-7 Water - 7732-18-5 Chemical Name RCRA - Halogenated Organic Compounds None Known None Known RCRA - P Series Wastes None Known **None Кломл** RCRA - F Series Wastes | RCRA - K Series Wastes None Known None Known None Known **None Клоw**я

14. TRANSPORT: INFORMATION

POI

Not regulated

Not regulated

Not regulated

IMDG/IMO ΙĀ

15. REGULATORY INFORMATION

International Inventories

_		:	
Water 7732-18-5 (to 100%)	Salicylic acid 69-72-7 (0.13)	(Amylodextrin) 9005-84-9 (0.5)	Component
Present	Present	ĕ	TSCA
×	×	×	TSC
×	×	×	EINECS/ELIN
ENCS	3-1640	ENCS	ENCS
×	×	×	IECSC
KE-35400	KE-20367	KE-01773	KECL
×	×	×	PICCS
×	×	×	AICS

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U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

To locality	Water 7732-18-5 Pa 1000	69-72-7	9005-84-9 0.5	(Amidodousia)	GAS-NO Weight %	Chemical Name
None Known	UMOUNT BUCK	0 13	0.5	Values v.	ight % SARA 313 - Threshold	

SARA 311/312 Hazard Categories Acute Health Hazard Chronic Health Hazard Fire Hazard

Sudden Release of Pressure Hazard Reactive Hazard

7732-18-5 (10 100%)	Water	69-72-7 (0.13)	Salicylic acid	9005-84-8 (0.5)	Soluble Starch (Armylodextrin)		Component	inis product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.25).	Clean Water Act
	None Known		NOTE Known		None Known	Quantities	CWA - Reportable	y substances regulated	
ANORE MIOWIT	Non Vo	SWOLV BOOK	No. 1	Acid Miles	None Known		CWA . Toute Boll. day	as pollutants pursuant to	
None Knows		None Known		None Known		Containts CWA - Priority Pollutants	200	the Clean Water Act (40	
Nane Knowa		None Known		None Known	Substances	CWA - Hazardous		CFR 122.21 and 40	

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

Chemical Name CAS-No Weight % HAPS data VGC Chemicals Class 1 Ozone Class 2 Ozone Soluble Starch 9005-64-9 0.5 None Known
Weight% HAPS data VOC Chemicals Class 1 Ozone Class 0.5 Name Known None Known None Known None 0.13 None Known Goup III None Known None None Known None
HAPS data VGC Chemicals Class 1 Ozone Chass None Known
a VGC Chemicals Class 1 Ozone Chass n None Krowin None Krown None Goog Jil None Krown None None Krown None Krown None None Krown None Krown None None Krown None Krown None
Depletors Depletors None Known None Known None Known None None None None None None None Non
one Class Deply None
Class 2 Ozone Depletors None Known None Known

CERCLA

reacci	Salicylic acid	Soluble Starch (Arrylodextria)	Chemical Name
None Known None Known	None Known	None Known	Hazardnie Substance Do

	Water	Salindicació	Soluble Starch (Armilio
Non	Non	Non	Hazardous
e Krown	ie Known	ne Known	Substances RQs Extremely H
None Known	None Known	Name Known	azardone Substance

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicats

	water	Control of Bridge	Colling to the proposed (II)	Spinble Starrh (Amadoviantia)	Chambell Marks
2.01-751	7.792-18-E	69-72-7	9005-84-9	CAS-ING	
None Known	Wone Vinder	MOND MAN	None Known	California Pmn 65	

Massachusetts New Jersey Pennsylvania Rhode Island

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					* 1
z	None Known	None Known	None Known	None Known	Waler
z	None Known	None Known	None Known	None Known	Salicylic acid
			1		(Amylonexian)
z	None Known	None Known	None Known	None Known	Soluble Starch

International Regulations

Mexico - Grade

Water	Salicylic acid	Soluble Starch (Amylodextrin)	Chemical Name
None Known	None Known	None Known	Carcinogen Status
None Known	None Known	None Known	Exposure Limits

This product has been classified in accordance with the hazard oriteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class Non-controlled

Prepared By

Regulatory Affairs Department

12/27/2010

Issuing Date

Revision Date

Initial Release.

Revision Note

Disclaimer

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

End of MSDS