SOLVENT SYSTEMS International, Inc.
Environmental Services

Offer Sheet

Product	Monobutyl Maleate (aka butyl hydrogen maleate).
Quantity	16 totes x 275 gal
Net weight	36,000 lbs.
Manufacture date	
Availability	One time
Location	Valparaiso, IN 46383
Date	1/20/26
COA & SDS	Attached below

Brian Svrusis
Solvent Systems International
575 Bennett Road
Elk Grove Village, IL 60007
847-323-6718 call or text
Click here for: Surplus Inventory
Solvent-Systems.com

Monobutyl Maleate (CAS **925-21-3**) is the **monoester of maleic acid** (aka **butyl hydrogen maleate**).
Structurally, it contains:

- an **activated carbon–carbon double bond** (maleate unsaturation), and
- **one ester group** plus **one free carboxylic acid group** (*half-ester functionality*).

This makes it a **reactive functional monomer/intermediate** that can:

- **copolymerize** (through the double bond) into acrylic/vinyl-type polymer systems, and/or
- provide **acid functionality** for **adhesion, dispersibility, and salt/neutralization chemistry**.

Commercial uses for Monobutyl Maleate
1) Reactive monomer for acrylic / vinyl copolymers
Used as a **functional comonomer** to introduce carboxylic acid sites into polymers for:

- improved **adhesion to metals, glass, and polar substrates**
- better **pigment wetting/dispersibility**
- improved **intercoat adhesion** in multi-layer coating systems

Common markets:

- industrial coatings
- printing inks
- specialty polymer emulsions

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2) Coatings and paints (binder modifier / functionality additive)
Used in solventborne or hybrid coating systems to improve:

- **adhesion**
- **film integrity**
- **chemical resistance tuning**
- **crosslink response** (because acid groups can react or be neutralized)

Typical end uses:

- metal coatings
- protective coatings
- maintenance coatings
- specialty primers

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3) Adhesives & sealants (reactive functionality and tack/compatibility)
Used as a reactive ingredient or intermediate in polymer systems for:

- construction adhesives
- lamination adhesives (selected chemistries)
- pressure-sensitive adhesive modifications (PSA)
- sealant polymers requiring polarity/adhesion

Commercial value: boosts **substrate wetting**, **adhesion**, and **cohesive strength tuning**.

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4) Polymer modifier / compatibilizer (especially in blends)
Because it is both:

- **hydrocarbon-like (butyl ester)**
- and **polar/acid functional**

...it can act as a **compatibilizing agent** in:

- polymer blends
- biodegradable polymer blends
- specialty plastics where interfacial adhesion is needed

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5) Plasticizer / flexibilizer (niche but real)
Used in certain polymer systems as a **reactive plasticizer** or **property modifier**, especially where some polarity is needed versus traditional nonpolar plasticizers.
Commercial role:

- improves flexibility
- can reduce brittleness
- adds polarity (helps compatibility in polar polymers)

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6) Chemical intermediate (building block)
Used as an intermediate to produce:

- other maleate esters or functional derivatives
- specialty monomers and resin intermediates
- polymer additives based on maleate chemistry

MBM

MFG CHEMICAL
1804 KIMBERLY PARK DR
DALTON, GA 30720
PHONE: 706-226-4114
FAX: 706-275-6044

Product: ULTRAESTER MBM
Lot Number: 9678621HC
Date: 09/20/2021
PO Number: 2021-00-18311
Customer Ship To Name: AM Stabilizers Corp, Franklin

CERTIFICATE OF ANALYSIS

PROPERTY	SPECIFICATIONS	ANALYSIS
Specific Gravity	1.00 to 1.20	1.09
Color (APHA)	0 to 100	5
Acid Number	305.0 to 345.0	318.6 mg KOH/g
Appearance	Clear Liquid	Pass
Moisture Content, %	0.0 to 0.5	0.1

Approved by:

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

MFG Chemical, Inc
1804 Kimberly Park Drive
Dalton, GA 30720

Emergency:	Chemtrec (800) 424-9300
Contact:	Regulatory Department
Phone:	706-226-4114
Fax:	706-275-6044
Web:	www.mfgchemical.com

Product Name:	ULTRAESTER MBM
Revision Date:	6/11/2015
SDS Number:	M-9361
Common Name:	Monobutyl Maleate
CAS Number:	925-21-3
Product Code:	M-9361
Chemical Formula:	C8H12O4
Product Use:	For Industrial use only

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 4 Dermal
Health, Acute toxicity, 4 Inhalation
Health, Acute toxicity, 4 Oral

GHS Label elements, including precautionary statements

GHS Signal Word: WARNING

GHS Hazard Pictograms:

GHS Hazard Statements:

H312 - Harmful in contact with skin
H332 - Harmful if inhaled
H302 - Harmful if swallowed

GHS Precautionary Statements:

P233 - Keep container tightly closed.
P262 - Do not get in eyes, on skin, or on clothing.

P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P306+360 - IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P331 - Do NOT induce vomiting.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
925-21-3	90%	2-Butenedioic acid (2Z)-, monobutyl ester

4 FIRST AID MEASURES

Inhalation:	For inhalation remove to fresh air, if breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.
Skin Contact:	In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes and remove contaminated clothing and shoes. Wash exposed skin thoroughly with soap and water, and launder clothing. If itching and redness persist, seek medical attention.
Eye Contact:	In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. If itching and redness persist, seek medical attention.
Ingestion:	Do NOT induce vomiting or attempt chemical neutralization.

5 FIRE FIGHTING MEASURES

Flash Point:	235 F
Flash Point Method:	PMCC
LEL:	NE
UEL:	NE

Extinguishing Media: Use Water Spray, Foam, Dry Chemical, Carbon Dioxide (CO2).

6 ACCIDENTAL RELEASE MEASURES

In case of spillage, contain material with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent and dispose of in accordance with applicable regulations. May require excavation of contaminated soil.

7 HANDLING AND STORAGE

Handling Precautions:	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Wash thoroughly after handling.
Storage Requirements:	Keep away from heat, sparks, and flames.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	General ventilation is recommended during normal use. Local Exhaust may be required during certain operations to prevent inhalation of vapors.
Personal Protective Equipment:	Chemical goggles, Face Shield, Gloves, and Apron. Eye wash station and safety shower should be available.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless to pale yellow liquid		
Physical State:	Liquid	Odor:	Alcohol
Spec Grav./Density:	1.1	Solubility:	Dispersible
Vapor Pressure:	<1	Vapor Density:	>1
pH:	3 (5% Soln)		
Evap. Rate:	Less than n-Butyl Acrylate		

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	Heat, sparks, and open flames
Materials to Avoid:	Strong acids; copper, aluminum or their alloys
Hazardous Decomposition:	Smoke, oxides of carbon and nitrogen; formaldehyde
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

No Data Available

12 ECOLOGICAL INFORMATION

No Data Available

13 DISPOSAL CONSIDERATIONS

All recovered material should be packaged, labeled, transported, disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

14 TRANSPORT INFORMATION

UN3265, Corrosive liquid, acidic, organic, n.o.s., 8, PGIII, (Monobutyl Maleate)

Proper Shipping Name:
UN3265, Corrosive liquid, acidic, organic, n.o.s., (Monobutyl Maleate),8,PGIII

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

2-Butenedioic acid (2Z)-, monobutyl ester (925-21-3) [90%] TSCA

SARA Hazard Class

Fire	Pressure	Reactivity	Acute	Chronic
No	No	No	Yes	No

SARA
This product is not reportable under SARA Title III, Sec 313. This product is reportable as an acute health hazard, eye and skin irritant, under SARA Title III, Sec 311 & 312.

Clean Air
This product does not contain nor was it manufactured with any Class I or Class II ozone depleting substances pursuant to Sec 611 of the Clean Air Act Amendments of 1990 (40 CFR 82)

RCRA

Refer to EPA or State regulations regarding proper disposal

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

16 OTHER INFORMATION

This product's safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein is based on data available to us and is believed to be accurate, Although no guarantee or warranty is provided by the company in this respect. Since the use of this product is within the exclusive control of the user, it is the User's obligation to determine the conditions of safe use of this product. Such conditions should comply with all federal regulations concerning the product. All materials in this product are produced in compliance with public law 94-469 (also known as the "toxic substances control act" of 1976).