

**Agar Scientific Ltd**

Unit 7, M11 Business Link,
Parsonage Lane, Stansted,
Essex, CM24 8GF, England

Tel: +44(0)1279 813519

Fax: +44(0)1279 815106

Email: sales@agarscientific.com

www.agarscientific.com

Material Safety Data Sheet**DDSA (Dodecenylsuccinic anhydride) [R1053]****Section 1: Company Identification and Product**

Product Name: Dodecenylsuccinic anhydride (100g)

Synonyms: DDSA; Dihydro-3-(tetrapropenyl)furan-2,5-dione

CAS Number: 26544-38-7

Supplier: **Agar Scientific Ltd**

Unit 7, M11 Business Link, Parsonage Lane,
Stansted, Essex, CM24 8GF, England

Tel: +44(0)1279 813519

Fax: +44(0)1279 815106

Email: sales@agarscientific.com

Emergency contact number: +44(0)1279 813519 [8.30am-5pm GMT]

Product Use: Hardener for epoxy resins

Date of MSDS preparation: 7th April 2009

Section 2: Hazards Identification

EC symbols and classification:



Irritant

Risk Phrases:

R36/38 Irritating to eyes and skin

Section 3: Composition / Information on Ingredients

Product	CAS Number	EC Number	%
Dodecenylsuccinic anhydride	26544-38-7	247-781-6	

Section 4: First Aid Measures

Inhalation: Move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult or victim feels unwell seek medical advice.

Skin contact: Wash with plenty of soap and water. If irritation persists seek medical advice

Eye contact: Bathe eye thoroughly with plenty of water for at least 15 minutes. Seek medical advice.

Ingestion: Do not induce vomiting. Rinse out mouth with water. Give water to drink. Seek medical advice.

Section 5: Fire Fighting Measures

Extinguishing Media: Use carbon dioxide, dry chemical or suitable foam. In case of large fires use water spray.

Exposure hazards: In combustion emits toxic fumes of carbon monoxide and carbon dioxide.

Protection for fire fighters: Wear normal fire fighting equipment.

Section 6: Accidental Release Measures

Personal precautions: Ideally use in a fume cupboard. Where not practical, ensure adequate ventilation. Use normal chemical protective equipment.

Environmental precautions: Avoid entering drains.

Clean-up procedures: Absorb in an inert material such as sand or vermiculite. Clear up and place in a suitable container. Keep closed and dispose of as chemical waste. Wash the area after removal of the waste.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Storage: Store in a cool, dry, well ventilated place in tightly closed containers.

Section 8: Exposure Controls / Personal Protection

Engineering measures: If available, use in a chemical fume hood.

Respiratory protection: Where risk assessment shows it to be required use only respirators approved to local government standards such as NIOSH (USA) or CEN (EU).

Hand protection: Handle with suitable chemical compatible gloves.

Eye protection: Wear safety glass or goggles.

Skin protection: Wear normal laboratory overalls. Wash thoroughly after use.

Section 9: Physical and Chemical Properties

Molecular Formula	C ₁₆ H ₂₆ O ₃
Molecular Weight	266.38
Physical State / Appearance	Colourless to pale yellow viscous liquid
Melting Point [°C]	
Boiling Point [°C]	150 @ 4 hPa
Flash Point [°C]	113 [closed cup]
Vapour Pressure	
SG / Density	1.01
Solubility	

Section 10: Stability and Reactivity

Stability: Stable under recommended storage conditions. Sensitive to moisture.

Materials to avoid: Strong oxidising agents, amines, bases

Hazardous decomposition products: Forms toxic oxides of carbon under fire conditions.

Section 11: Toxicological Information

RTECS: WN1300000

Data: NIF

Potential health effects:

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.

Eye contact: Cause eye irritation.

Skin contact: Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion: May be harmful if swallowed.

Section 12: Ecological Information

Ecotoxicity data: NIF

Section 13: Disposal Considerations

Waste disposal: Dispose of in accordance with local and national guidelines. If approved facilities are available the use of a chemical incinerator equipped with afterburners and scrubbers may be appropriate.

Section 14: Transport Information

Shipment method	Shipping Name	UN No.	Class	Packing Group	Other Data
ADR / RID	Not restricted				
IMDG / IMO	Not restricted				
IATA / ICAO	Not restricted				

Section 15: Regulatory Information

EC Classification: Irritant

Risk Phrases:

R36/38: Irritating to eyes and skin.

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36: Wear suitable protective clothing.

Section 16: Other Information

Possible abbreviations used in this document:

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

The information and recommendations contained in this data sheet should assist the user with the safe handling of this material when properly applied. AGAR SCIENTIFIC LIMITED cannot accept responsibility for the consequences of any misuse of this material.