

Safety Data Sheet

OCTENYL SUCCINIC ANHYDRIDE

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1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Chemical Name	OCTENYL SUCCINIC ANHYDRIDE
CAS NO.	26680-54-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

1. Starch sodium octenyl succinate (E1450) as emulsifier in manufacture of drink emulsions, aroma encapsulation, mayonaise & dressings, pastries.
2. Used for the manufacture of cleaning products as surfactant - hydrotrope
3. Used as Cross-linking curing agent for epoxy resins

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD PTE LTD
77 A, Boat Quay
049865
Singapore
Telephone : +6563272490
Email - contact@polymeradd.sg

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical and Chemical Hazards	Skin irritation (Category 2) Eye irritation (Category 2)
Human Health	Irritating to eyes and skin.
Irritating to eyes and skin.	

2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

Signal word	Warning.
H315	Causes skin irritation.
H319	Causes serious eye irritation
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and e
R-phrases(s)	
Xi	Irritant
R36/38	Irritating to eyes and skin
S-phrases(s)	
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36	Wear suitable protective clothing.

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2.3 Other hazards None.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name	N-Octenyl Succinic anhydride
CAS NO	26680-54-6
EC Number	247-899-8
Molecular Formula	C ₁₂ H ₁₈ O ₃
Molecular Weight	210.27 g/mol.
Concentration	96 % Min.

4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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|-----|--|---|
| 5.2 | Special hazards arising from the substance or mixture | Wear self contained breathing apparatus for fire fighting if necessary. |
| 5.3 | Advice for firefighters | No data available. |
| 5.4 | Further information | No data available. |

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Use personal protective equipment.
Avoid breathing vapors, mist or gas.
Ensure adequate ventilation.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

No data available.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes.
Avoid inhalation of vapour or mist.
Normal measures for preventive fire protection.

7.2 Information about protection against explosions and fires

No data available.

7.3 Conditions for safe storage including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store in cool place.
Moisture sensitive.

7.4 Specific end use(s)

No data available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and

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approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hands protection

Handle with gloves.

Gloves must be inspected prior to use.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	Colourless to yellow Clear liquid
b) Odour	No data available.
c) Odour Threshold	No data available.
d) pH (% solution in water)	No data available.
pH	No data available.
e) Melting point/freezing point	8 - 12 °C
f) Initial boiling point and boiling range	168 °C
g) Flash point	113 °C
h) Evaporation rate	No data available.
i) Flammability (solid or gas)	No data available.
j) Upper/lower flammability or explosive limits	No data available.
k) Vapour pressure	No data available.

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l)Vapour density	1 g/cm ³ at 25 °C
m)Relative density	No data available.
n)Water solubility	No data available.
o)Partition coefficient: n-octanol/water	No data available.
p)Autoignition temperature	No data available.
q)Decomposition temperature	No data available.
r)Viscosity	No data available.
s)Explosive properties	No data available.
t)Oxidizing properties	No data available.

9.2 Other safety information

Bulk Density	No data available.
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10 STABILITY AND REACTIVITY

10.1 Reactivity	No data available.
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	No data available.
10.4 Conditions to avoid	Strong oxidizing agents Strong oxidizing agents, Amines, Bases
10.5 Incompatible materials	No data available.
10.6 Hazardous decomposition products	No data available.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available.
Acute oral toxicity	No data available.
Acute Inhalation toxicity	No data available.
Acute dermal toxicity	No data available.
Acute Irritation / corrosion toxicity	No data available.
Skin corrosion/irritation	No data available.
Serious eye damage/eye irritation	No data available.
Respiratory or skin sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Germ cell mutagenicity	No data available.

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Carcinogenicity	No data available.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Signs and symptoms of exposure	Blurred vision, sneezing, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Route of exposure	No data available
Aspiration hazard	No data available
Potential health effects	No data available
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes serious eye irritation.
RTECS	No data available.

12 ECOLOGICAL INFORMATION

12.1	Toxicity	No data available
	Toxicity to fish	No data available
	Toxicity to daphnia and other aquatic invertebrates	No data available
	Toxicity to Algae/Aquatic plants	No data available
	Toxicity to microorganisms	No data available
12.2	Persistence and degradability	
	Biodegradation	
	No data available	
12.3	Bio accumulative potential	No data available

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12.4	Mobility in soil	No data available
12.5	Results of PBT and vPvB assessment	No data available
12.6	Other adverse effects	No data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.
Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID	IMDG	IATA
-	-	-

14.2 UN proper shipping name

ADR/RID	IMDG	IATA
Not dangerous goods	Not dangerous goods	Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA
-	-	-

14.4 Packaging group

ADR/RID	IMDG	IATA
-	-	--

14.5 Environmental hazards

ADR/RID	IMDG Marine pollutant	IATA
-	-	-

14.6	Special precautions for user	No data available
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15 REGULATORY INFORMATION

No data available

15.1 Safety health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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15.2 Chemical Safety Assessment

No data available

16 OTHER INFORMATION

H315

Causes skin irritation.

H319

Causes serious eye irritation.

Month of Creation

July 2020

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July 2023