

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the product

Catalogue No.:

Product name : Di-(C₉-C₁₁)Phthalate (911P)

Manufacturer/supplier identification

Company: Petrochemicals 1st Div, Nan Ya Plastics Corporation.Taiwan,R.O.C

Tel: (886)5-6818477~78; Fax:(886)5-6812687

Emergency telephone No.: (886)5-6818477~78

2. Hazards identification

No specific hazards are known.

3. Composition/information on ingredients

Synonyms

Di-C9-11-branched and linear alkyl esters

CAS-No. : 68515-43-5

EC NO. : 271-085-1

Molar mass : 446

Molecular formula: C₆H₄ (COOC₉H₁₉- COOC₁₁H₂₃)₂**4. First aid measures***General advice*

Take off all contaminated clothing immediately.

Skin contact

Wash off with plenty of water and soap immediately, seek medical advice if necessary.

Eye contact

Rinse with plenty of water immediately and seek medical advice.

Ingestion

Seek medical advice immediately.

5. Fire-fighting measures

Suitable extinguishing media :

spray water, foam, carbon dioxide, dry powder

6. Accidental release measures*Personal precautions*

Use personal protective equipment.

Avoid contact with skin and eyes.

Environmental precautions

Do not allow to entrance in sewage water, drainage systems, stretches of water, soil.

Inform the company environmental protection department immediately if this product has left the production area.

NPC Material Safety Data Sheet

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Methods for cleaning up

Take up mechanically or with an absorbent material.
Fill into marked, sealable containers.
To be disposed of in compliance with existing regulations.
Suitable binder : universal absorbent, kieselguhr, oil absorbent

7. Handling and storage

Handling :

Safe handling advice
If possible, use material transfer/filling, metering and blending plants that are closed.
Advice on protection against fire and explosion
normal measures of preventive fire protection

Storage :

Requirements for storage areas and containers
Keep containers tightly closed.

8. Exposure controls/personal protection

Components with workplace control parameters

CAS-No.	68515-43-5	
Control parameters	5 mg/m ³	Time Weighted Average(TWA) : (EH40 OES)

Engineering measures

If possible, use material transfer/filling, metering and blending plants that are closed.

Personal protective equipment :

Respiratory protection :
In case of dusts/vapors/aerosols being formed or if the limit values like TLV are exceeded :
use respiratory equipment with suitable filter (filter type A or wear a self contained respiratory apparatus.
Hand protection :
suitable protective gloves, e.g. rubber gloves
Eye protection :
safety glasses

Hygiene measures

Do not inhale vapors/aerosols.
Avoid contact with skin and eyes.

9. Physical and chemical properties

Form :	liquid		
Color :	colorless to yellowish		
Odor :	odorless		
PH value	(20°C)	neutral/aqueous extract	
Viscosity dynamic	(20°C)	72.00-82.00 mPa.s	Method: DIN 53 015

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Melting point	ca. -50 °C	Stock point
Boiling point	420 °C	
Ignition temperature	ca. >420°C	Method : DIN 51 794
Flash point	244°C	
Explosion limits	no explosion limits under standard conditions	
Vapour pressure	(20°C)	<0.01 mmHg
Density	(20°C)	0.965 g/cm ³
Partition coefficient (n-octanol/water)		
log kow :	-	
related to substance:	Di-(C ₉ -C ₁₁)Phthalate	

10. Stability and reactivity

Hazardous decomposition products	no
Thermal decomposition	380°C
Hazardous reactions	no

11. Toxicological information

Acute oral toxicity	LD ₅₀ (rat) : > 10,000 mg/kg. Own study
Skin irritation	not irritating Method : OECD Test Guideline 404 Own study
Eye irritation	not irritating Method : OECD Test Guideline 405 Own study
Toxicity to reproduction	no evidence of reproduction-toxic properties

12. Ecological information

Elimination information (persistence and degradability)

Biodegradability	readily biodegradable 81% Method : (CO ₂ ;modif. Sturm test-92/69/EEC part C.4-C)
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Behaviour in environmental compartments

Ecotoxicity effects :

Toxicity to fish	LC0 Brachydanio rerio : >= 10,000mg/l / 96 h Method : EC 92/69 fish, acute toxicity test tested in the presence of emulsifiers In the range of water solubility not toxic under test conditions.
Toxicity to daphnia	Daphnia magna test in the presence of emulsifiers in the range of water solubility not toxic under test conditions.
Toxicity to algae	EC50 scenedesmus subspicatus : > 10,000mg/l / 72h Method: EC 92/69 cell multiplication inhibition test tested in the presence of emulsifiers

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Toxicity in terrestrial plants

NOEC secnedesmus subspicatus : >=10,000mg/l / 72h
Method: EC 92/69
cell multiplication inhibition test
tested in the presence of emulsifiers

EC50 Lepidium sativum : >=1,000mg/l
Method: OECD 208

EC50 Triticum aestivum : >=1,000mg/l
Method: OECD 208

EC50 Lactuca sativa(lettuce) : >=1,000mg/l
Method: OECD 208

13. Disposal considerations

Product :

With respect to local regulations, e.g. dispose of to waste incineration plant.

Waste code may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose.

In agreement with the waste code must be determined regional waste disposal authority or company.

14. Transport information

International Regulations

ADR

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

15. Regulatory information

Labelling according to EEC Directives

statutory basis/list

Not subject to labeling provision.

National legislation

16. Other information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.