

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Identification of the product

Catalogue No.:

Product name : Di-(C<sub>9</sub>-C<sub>11</sub>)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: C<sub>6</sub>H<sub>4</sub> ( COOC<sub>9</sub>H<sub>19</sub>- COOC<sub>11</sub>H<sub>23</sub> )<sub>2</sub>**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 5 mg/m<sup>3</sup>

parameters

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 <sup>3</sup>
Partition coefficient (n-octanol/water)		
log kow :	-	
related to substance:	Di-(C <sub>9</sub> -C <sub>11</sub> )Phthalate	

**10. Stability and reactivity**

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

**11. Toxicological information**

Acute oral toxicity	LD <sub>50</sub> ( 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 <sub>2</sub> ;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 : &gt;=10,000mg/l / 72h

Method: EC 92/69

cell multiplication inhibition test

tested in the presence of emulsifiers

EC50 Lepidium sativum : &gt;=1,000mg/l

Method: OECD 208

EC50 Triticum aestivum : &gt;=1,000mg/l

Method: OECD 208

EC50 Lactuca sativa(lettuce) : &gt;=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.