

1. Identification of the substance/preparation and of the company/undertaking
<p>Identification of the product Catalogue No. : Product name: Di-isononyl phthalate (DINP) Manufacturer/supplier identification Company: SAHASTRAA EXPORTS PVT LTD Address: NAVKAR PLAZA 6TH FLOOR BAJAJ ROAD VILE PARLE WEST MUMBAI - 400056, INDIA</p>
2. Composition / information on ingredients
<p>Synonyms 2, 5-Furandione CAS-No. : 28553-12-0 Molar mass: 419 Molecular formula: $C_{18}H_{34}(COOC_9H_{19})_2$</p>
3. Hazards identification
No specific hazards are known.
4. First aid measures
<p>General advice Take off all contaminated clothing immediately.</p> <p>Skin contact Wash off with plenty of water and soap immediately, seek medical advice if necessary.</p> <p>Eye contact Rinse with plenty of water immediately and seek medical advice.</p> <p>Ingestion Seek medical advice immediately.</p>
5. Fire-fighting measures
<p>Suitable extinguishing media: Spray water, foam, carbon dioxide, dry powder</p>
6. Accidental release measures
<p>Personal precautions Use personal protective equipment. Avoid contact with skin and eyes.</p> <p>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.</p> <p>Methods for cleaning up take up mechanically or with an absorbent material.</p> <p>Fill into marked, sealable containers. To be disposed of in compliance with existing regulations. Suitable binder: universal absorbent, kieselguhr, oil absorbent.</p>

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. 28553-12-0

Control 5mg/m³ Time Weighted Average (TWA) : (EH400ES)

Parameters

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
Melting point	ca. -54°C	Stock point	
Boiling point	270-280°C	(5hPa)	
Ignition temperature	ca. 400°C		Method: DIN 51 794
Flash point	ca. 200°C		Method: DIN EN 22 719
Explosion limits	no explosion limits under standard conditions		
Vapour pressure	(20°C)	< 0.01 hPa	
Density	(20°C)	0.972-0.977	g/cm ³
Partition coefficient (n-octanol/water)			
Log pow:		9.98 (calculated)	

Related to substance: di-isononyl phthalate	
10.Stability and reactivity	
Hazardous decomposition products	no
Thermal decomposition	> 280°C
Hazardous reactions	no
11.Toxicological information	
Acute oral toxicity	LD50(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: (CO₂;modif. Sturm test-92/69/EEC part C. 4-C

Behaviour in environmental compartments

Ecotoxicity effects:

Toxicity to fish LC0 Brachydanio rerio: $\geq 10,000\text{mg/l}$ /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: $> 10,000\text{mg/l}$ /72 h
Method: EC 92/69
cell multiplication inhibition test
tested in the presence of emulsifiers
NOEC scenedesmus subspicatus: $\geq 10,000\text{ mg/l}$ /72 h
Method: EC 92/69
cell multiplication inhibition test
tested in the presence of emulsifiers

Toxicity in terrestrial plants EC50 Lepidium sativum: $\geq 1,000\text{mg/l}$
Method: OECD 208
EC50 Triticum aestivum: $\geq 1,000\text{mg/l}$
Method: OECD 208
EC50 Lactuca sativa (lettuce): $\geq 1,000\text{mg/l}$
Method: OECD 208

13. Disposal considerations
<p>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.</p>
14. Transport information
<p>Transport/further information Not classified as dangerous in the meaning of transport regulations.</p>
15. Regulatory information
<p>Labelling according to EEC Directives Statutory basis/list Not subject to labeling provision. National legislation</p>
16. Other information