

Section 1 – Identification of Substance

Name: DOP, DIOCTYL PHTHALATE

Section 2 – Composition / Data on Components

- Chemical characterization: DOP, DIOCTYL PHTHALATE
- Chemical Formula: $C_{26}H_{44}(COOC_8H_{17})_2$
- Chemical Name: : DOP
- CAS NO. : 117-81-7

Section 3 – First Aid Measures

General information: No special measures required

After inhalation: Supply fresh air; consult doctor in case of symptoms

After skin contact: Instantly wash with water and soap and rinse thoroughly

After eye contact: Rinse opened eye for several minutes under running water

After swallowing: In case of persistent symptoms consult doctor

Section 4 – Fire Fighting Measures

- Suitable extinguishing agent: CO2 extinguishing power of water jet. Eight larger fires with water jet or alcohol foam.
- Protective equipment: Put on breathing apparatus
- Additional information: Cool endangered containers with water spray jet

Section 5 – Accidental Release Measures

- Person – related safety precaution: Not required
- Measures for environmental protection: Do not allow product to reach sewage system or water bodies
- Measures for cleaning/collecting: Absorb with liquid – binding material (sand, diatomite, acid binders, universal binders, sawdust)
- Additional information: No dangerous materials are released

Section 6 – Handling and Storage

Handling:

- Information for safe handling: No special measures required
- Information about protection against explosion and fires: No special measures required
- Storage
- Requirements to be met storerooms and condition
- Store in cool location
- Store only in unopened original containers
- Information about storage in one common storage facility
- Storage away from oxidizing agents
- Further information about storage condition
- Store in cool, dry condition in well sealed containers

Section 7 – Exposure Controls and Personal Protection

- Additional information about design of technical system:
No further data; see item No. 6
Components with critical value that require monitoring at the work place:
Not required.
Additional information
The lists that were valid during the compilation were as basis.
Personal protective and hygienic measures
The usual precautionary measures should be adhered to in handling the chemicals.
Breathing equipment: no required
Protection of hand: protective gloves.
Eye protection: tightly sealed safety glasses
Body protection: protective work clothing

Section 8 – Physical and Chemicals Properties

ITEM	UNIT	TEST METHOD	SPECIFICATION
Color	ALPHA	VISUAL	20 Max
Specific Gravity _{20/20 °C}		0.986 ± 0.003	
Acid Value		KOHmg/g	0.02 max
Acid Value After Heating		KOHmg/g	0.07 max
Ester Value		–	287 ±2
Refractive index (25°C)		nD ₂₅	1487 ±0.003
Heating loss		WT%	0.07 Max
Volume resistivity (30°C)		Ω-cm	2.0x10 ¹¹ Min
M.W.		–	391
Viscosity (20°C)		cp	80
Boiling Point (760mmHg)		°C	386
Freezing Point		°C	-55
Flash point		°C	206

Section 9 – Stability and Reactivity

No decomposition if used according to specification.

Dangerous reaction: Reacts with oxidizing agents.

Dangerous products of decomposition: Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

Section 10 – Toxicological Information

Primary irritant effect;

On the skin: no irritant effect

On the eye: No irritant effect

Sensitization: No sensitizing Know

Additional toxicological information

When used and handled according to specification, the product does not have any harmful affect according to our experience and the information provided us.

Section 11 – Ecological Information

General notes:

Water hazard class 2 (self- assessment): hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

Section 12 – Disposal Consideration

Product Recommendation

Dispose in accordance with federal, state and local regulations.

Section 13 – Transport Information

Transport / additional information: not dangerous according to the above specification.

Section 14 – Other Information

These data are based on our present knowledge. However, they all not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.