

MATERIAL SAFETY DATA SHEET

DOP

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### Section 1 - Identification of Substance

Name: DOP, DIOCTYL PHTHALATE

### Section 2 – Composition / Data on Components

Chemical characterization: DOP, DIOCTYL PHTHALATE
 Chemical Formula: C<sub>6</sub>H<sub>4</sub> (COOC<sub>8</sub> H<sub>17</sub>)<sub>2</sub>

Chemical Name: : DOPCAS 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 eater supply 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



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## 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 ay the work place:

Not required.

Additional information

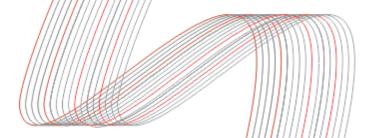
The lists that were valid during the compilation were as basis.

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





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## Section 8 – Physical and Chemicals Properties

Color         ALPHA         VISUAL         20 Max           Specific Gravity20/20 °C         0.986 ± 0.003           Acid Value         KOHmg/g         0.02 max           Acid Value After Healting         KOHmg/g         0.07 max
Acid Value KOHmg/g 0.02 max
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Acid Value After Healting KOHmg/g 0.07 max
Ester Value 287 ±2
Refractive index (25°C) nD25 1487 ±0.003
Heating loss WT% \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Volume resistivity (30°C) Ω-cm \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
M.W \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Viscosity (20°C) cp \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Boiling Point (760mmHg) °C \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Freezing Point °C \\\\-55
Flash point °C \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

## 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.



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### 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, the all not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.