Material Safety Data Sheet

Dibutyl Phthalate (RXSOL-19-1295-050)

1. Product and Company Identifaction

Product Name	RXSOL-19-1295
Product Type	Dibutyl Phthalate

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / informationon ingredients

Chemical Name	CAS Number	EC Number	Index number
dibutyl phthalate	84-74-2	201-557-4	607-318-00-4

3. Hazards Identification

Hazard description:
Information concerning particular hazards for human and environment:
R 61 May cause harm to the unborn child.
R 62 Possible risk of impaired fertility.
R 50 Very toxic to aquatic organisms.

4. First Aid Measures

After inhalation	Supply fresh air; consult doctor in case of complaints.
After skin contact	Generally the product does not irritate the skin.
After eye contact	Rinse opened eye for several minutes under running water.
After swallowing	If symptoms persist consult doctor.

5. Fire-fighting Measures

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
Protective equipment: No special measures required.

6. Accidental Release Measures

Person-related safety precautions: Not required.
Measures for environmental protection: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

7. Handling and Storage

Handling:

Information for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep container tightly sealed.

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

108-38-3 m-xylene

PEL (USA)	435 mg/m³, 100 ppm Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
REL (USA)	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI
TLV (USA)	Short-term value: 442 mg/m³, 100 ppm Long-term value: 221 mg/m³, 50 ppm Skin
WEL (Great Britain)	Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV

Additional information: The lists valid during the making were used as basis.
Personal protective equipment:
General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the skin. Avoid contact with the eyes and skin.
Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection: Tightly sealed goggles

9. Physical and chemical properties

General Information

Form	Fluid
Colour	Colourless
Odour	Characteristic

Change in condition

Melting point/Melting range	-47.9°C
Boiling point/Boiling range	139°C
Flash point	25°C
Ignition temperature	465°C
Danger of explosion	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower	1.7 Vol %
Upper	7.6 Vol %
Vapour pressure at 20°C	8 hPa
Density at 20°C	0.85985 g/cm³
Solubility in / Miscibility with water at 20°C	0.2 g/l
Viscosity:	
Dynamic at 22°C	0.62 mPas

10. Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Dangerous reactions No dangerous reactions known.
Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological information

Acute toxicity:

LD/LC50 values relevant for classification:

Oral	LD50	5000 mg/kg (rat)
Dermal	LC50/4 h	14100 mg/kg (rabbit)

Primary irritant effect:

on the skin	Irritant to skin and mucous membranes.
on the eye	No irritating effect.
Sensitization	No sensitizing effects known.

12. Ecological information

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

13. Disposal considerations

Product:
Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned packaging: Recommendation: Disposal must be made according to official regulations.

14. Transport information

Land transport ADR/RID (cross-border)

ADR/RID class	3 Flammable liquids.
Danger code (Kemler)	30
UN-Number	1307
Packaging group	III
Hazard label	3
Description of goods	1307 XYLENES

Maritime transport IMDG

IMDG Class	3
UN Number	1307
Label	3
Packaging group	III
EMS Number	F-A,S-D
Marine pollutant	No
Proper shipping name	XYLENES

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class	3
UN/ID Number	1307
Label	3
Packaging group	III
Proper shipping name	XYLENES

15. Regulatory information

Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
Risk phrases:
10 Flammable.
20/21 Harmful by inhalation and in contact with skin.
38 Irritating to skin.
Safety phrases:
2 Keep out of the reach of children.
25 Avoid contact with eyes

16. Other information

This information is based on our present knowledge.However, this shall not constitute a guarantee for anys pecific product features and shall not establish a legally valid contractual relationship.

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