

DR. J. PHARMACHEM PVT. LTD.

Regd. Office : 722/AB/15, "Nirmal", Laxmi Park Colony, Navi Peth, Pune - 411030, India

Telephone : +91 (20) 24530071

Email : info@jpharmachem.com, Web : www.jpharmachem.com

Factory : Plot No. - 311, Sector- 10, Bhosari, Pune, India, 411035



(an ISO 9001:2016 Certificate Company)

Safety Data Sheet

Triphenylene

Revision date :

Page: 1/7

Version : 3.0

NUMBER

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifiers

Chemical Name	Triphenylene
CAS NO.	217-59-4

Relevant identified uses of the substance or mixture and uses advised against

1. Triphenylene emits fluorescence in the ultraviolet region and is a useful compound for developing semiconductor devices.

Details of the supplier of the safety data sheet

COMPANY	DR. J. PHARMACHEM PVT LTD
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2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Human Health	Serious eye damage (Category 1), H318
Environment	Short-term (acute) aquatic hazard (Category 1), H400 Long-term (chronic) aquatic hazard (Category 1), H410

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word

Danger

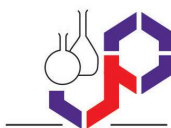
H318	Causes serious eye damage.
H410	Very toxic to aquatic life with long lasting effects.
P273	Avoid release to the environment.
P280	Wear eye protection/ face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lense
P391	Collect spillage
P501	Dispose of contents/ container to an approved waste disposal plant.

According to European Directive 67/548/EEC as amended

none

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Component

Chemical Name	Triphenylene
CAS NO	217-59-4
EC Number	205-922-9
Molecular Formula	C ₁₈ H ₁₂
Molecular Weight	228.29
Concentration	<= 100 %

4 FIRST AID MEASURES

Description of first aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled fresh air

In case of skin contact Take off immediately all contaminated clothing.
Rinse skin with water/ shower

In case of eye contact rinse out with plenty of water. Immediately call in
ophthalmologist. Remove contact lenses

If swallowed immediately make victim drink water (two glasses
at most). Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2)
and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

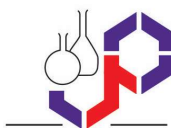
5 FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Water Foam Carbon dioxide (CO₂) Dry powder

Special hazards arising from the substance or mixture Carbon oxides Combustible. Risk of dust
explosion. Development of hazardous
combustion gases or vapours possible in the
event of fire.

Advice for firefighters In the event of fire, wear self-contained breathing
apparatus



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Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

Precautions for safe handling

For precautions see section 2.2.

Information about protection against explosions and fires

No data available

Conditions for safe storage including any incompatibilities

Tightly closed. Dry.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

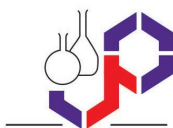
Control parameters

Ingredients Comments

No applicable occupational exposure limits

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles



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Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves

Body Protection

protective clothing

Respiratory protection

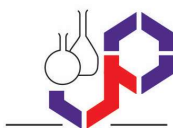
required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2

Control of environmental exposure

Do not let product enter drains

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	white light yellow powder
b) Odour	Not determined
c) Odour Threshold	Not determined
d) pH (% solution in water)	Not determined
e) Melting point/freezing point	195 - 198 °C - lit.
f) Initial boiling point and boiling range	438 °C - lit.
g) Flash point	Not determined
h) Evaporation rate	Not determined
i) Flammability (solid or gas)	Not determined
j) Upper/lower flammability or explosive limits	Not determined
k) Vapour pressure	Not determined
l) Vapour density	0.94 g/cm ³ at 20 °C
m) Relative density	Not determined
n) Water solubility	Not determined
o) Partition coefficient: n-octanol/water	Not determined
p) Autoignition temperature	Not determined
q) Decomposition temperature	Not determined
r) Viscosity	Not determined
s) Explosive properties	Not determined



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t)Oxidizing properties Not determined

9.2 Other safety information

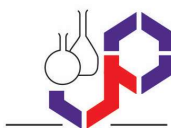
10 STABILITY AND REACTIVITY

Reactivity	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be as
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature) . Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	no information available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	In the event of fire: see section 5

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity	No data available
Acute Inhalation toxicity	No data available
Acute dermal toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Test Type: Human Test system: lymphocyte Remarks: DNA damage Test Type: Human Test system: lymphocyte Remarks: Mutation in mammalian somatic cells.
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
RTECS	YK2925000



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Signs And Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Toxicity

Toxicity to daphnia and other aquatic invertebrates

LC50 - Daphnia magna (Water flea) - 0,097 mg/l - 48 h

Persistence and degradability

Biodegradation

No data available

Bio accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

No data available

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

14 TRANSPORT INFORMATION

UN number

ADR/RID

IMDG

IATA

3077

3077

3077

UN proper shipping name

ADR/RID

IMDG

IATA

ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Triphenylene)

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ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Triphenylene)

Transport hazard class(es)

ADR/RID

IMDG

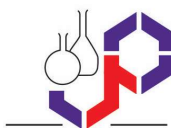
IATA

9

9

9

Packaging group



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ADR/RID

IMDG

IATA

III

III

III

14.5 Environmental hazards

ADR/RID

IMDG Marine pollutant

IATA

yes

yes

yes

14.6 Special precautions for user

Tunnel restriction code : (-)

15 REGULATORY INFORMATION

Safety health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16 OTHER INFORMATION

Month of Creation

March 2023

Month of Revision

March 2027