



DR. J. PHARMACHEM (INDIA)

MATERIAL SAFETY DATA SHEET	
1	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifiers
	Product Name NEOPENTYL GLYCOL DIBENZOATE
	CAS NO. 4196-89-8
1.2	Relevant identified uses of the substance or mixture and uses advised against
	Identified uses Laboratory chemicals, Manufacture of substances
1.3	Details of the supplier of the safety data sheet
	COMPANY DR. J. PHARMACHEM (INDIA)
	722/AB/15 'NIRMAL' ,LAXMI PARK COLONY,
	NAVI PETH , PUNE- 411 030.INDIA
	Telephone : 020-24530071
	Fax : 020-24530110
2	HAZARDS IDENTIFICATION
2.1	SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT
	Irritating to eyes and skin
3	COMPOSITION/INFORMATION ON INGREDIENTS
3.1	Substances
	Synonyms 1,3-Propanediol,2,2-dimethyl-,dibenzoate; 3-propanediol,2,2-dimethyl-dibenzoate
	Formula C19H20O4
	Molecular Weight 312.37
	Component Concentration
	Neopentyl glycol dibenzoate Min 98%
	Other unknown impurities Up to 2%
4	FIRST AID MEASURES
4.1	Description of first aid measures
	If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration.
	In case of skin contact In case of contact, immediately wash skin with soap and copious amounts of water.
	In case of eye contact In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.
	If swallowed wash out mouth with water provided person is conscious. Call a physician.



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4.2	Most important symptoms and effects, both acute and delayed	
4.3	Indication of any immediate medical attention and special treatment needed	
	No data available	
5	FIREFIGHTING MEASURES	
5.1	Extinguishing media	
	Suitable extinguishing media	Carbon dioxide, dry chemical powder, or appropriate foam. Foam and water spray are effective but may cause frothing.
5.2	Special hazards	Emits toxic fumes under fire conditions.
5.3	Advice for firefighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
5.4	Further information	No data available
6	ACCIDENTAL RELEASE MEASURES	
6.1	Personal precautions, protective equipment and emergency procedures	
	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.	
6.2	Environmental precautions	
6.3	Methods and materials for containment and cleaning up	
	Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.	
6.4	Reference to other sections	
	For disposal see section 13.	
7	HANDLING AND STORAGE	
7.1	Precautions for safe handling	
	Do not breathe dust. Avoid contact with eyes, skin, and clothing.	
7.2	Conditions for safe storage, including any incompatibilities	
	Keep tightly closed. Store in a cool dry place.	
7.3	Specific end uses	
	no data available	
8	EXPOSURE CONTROLS/PERSONAL PROTECTION	
8.1	Control parameters	
	Components with workplace control parameters	
8.2	Exposure controls	
	Appropriate engineering controls	
	Safety shower and eye bath. Mechanical exhaust required.	
	GENERAL HYGIENE MEASURES	
	Wash thoroughly after handling. Wash contaminated clothing before reuse.	
	Personal protective equipment	
	Eye protection	
	Chemical safety goggles.	
	Hand Protection	
	Compatible chemical-resistant gloves.	
	Respiratory protection	
	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.	
9	PHYSICAL AND CHEMICAL PROPERTIES	
9.1	Information on basic physical and chemical properties	



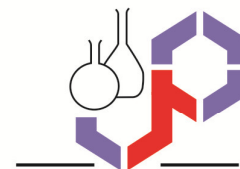
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a)	Appearance	Form : Powder Colour : White
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	No data available
e)	Melting range/freezing range	45 - 52 °C.
f)	Initial boiling point and boiling range	271 °C / 40mmHg
g)	Flash point	No data available
h)	Enthalpy of Vaporization	No data available
i)	Index of Refraction	No data available
j)	Molar Refractivity	No data available
k)	Vapour pressure	No data available
l)	Density	No data available
m)	Oxidizing properties	No data available
n)	Solubility	No data available
o)	Partition coefficient: noctanol/water	No data available
p)	Polarizability	No data available
q)	Decomposition temperature	No data available
r)	Molar Volume	No data available
s)	Surface Tension	No data available
9.2	Other safety information	
	IUPAC Name	[3-(benzoyloxy)-2,2-dimethylpropyl] benzoate
	Molecular Formula	$C_{19}H_{20}O_4$
	Molecular Weight	312.37
	SMILES	<chem>O=C(OCC(C)(C)COC(=O)c1ccccc1)c2ccccc2</chem>
	InChI	InChI=1S/C19H20O4/c1-19(2,13-22-17(20)15-9-5-3-6-10-15)14-23-18(21)16-11-7-4-8-12-16/h3-12H,13-14H2,1-2H3
	EINECS	224-081-9
	Melting Point	45 - 51 °C.
10	STABILITY AND REACTIVITY	
10.1	Reactivity	no data available
10.2	Chemical stability	no data available
10.3	Possibility of hazardous reactions	no data available
10.4	Conditions to avoid	no data available
10.5	Incompatible materials	Strong oxidizing agents
10.6	Hazardous decomposition products	Carbon monoxide, Carbon dioxide.
11	TOXICOLOGICAL INFORMATION	
11.1	Information on toxicological effects	
	Skin corrosion/irritation	no data available
	Serious eye damage/eye irritation	no data available
	Respiratory or skin sensitization	no data available
	Germ cell mutagenicity	no data available
	Reproductive toxicity	no data available
	Specific target organ toxicity - single exposure	no data available
	Specific target organ toxicity - repeated	no data available



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	exposure		
	Aspiration hazard	no data available	
	Potential health effects		
	Inhalation	May be irritating to mucous membranes and upper respiratory tract.	
	Ingestion	Harmful if swallowed.	
	Skin	May cause skin irritation.	
	Eyes	May cause eye irritation.	
	Signs and Symptoms of Exposure		
	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.		
	Additional Information		
	RTECS	Not available	
12	ECOLOGICAL INFORMATION		
12.1	Toxicity	no data available	
12.2	Persistence and degradability	no data available	
12.3	Bioaccumulative potential	no data available	
12.4	Mobility in soil	no data available	
12.5	Results of PBT and vPvB assessment	no data available	
12.6	Other adverse effects	no data available	
13	DISPOSAL CONSIDERATIONS		
13.1	Waste treatment methods		
	Product		
	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.		
	Contaminated packaging		
	Dispose of as unused product.		
14	TRANSPORT INFORMATION		
14.1	UN number		
	ADR/RID	IMDG	IATA
	-	-	-
14.2	UN proper shipping name		
	ADR/RID	IMDG	IATA
	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3	Transport hazard class(es)		
	ADR/RID	IMDG	IATA
	-	-	-
14.4	Packaging group		
	ADR/RID	IMDG	IATA
	-	-	-
14.5	Environmental hazards		
	ADR/RID	IMDG Marine pollutant	IATA
	no	no	no
14.6	Special precautions for user		
	no data available		
15	REGULATORY INFORMATION		



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15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture
	no data available
15.2	Chemical Safety Assessment
	no data available
16	OTHER INFORMATION
	Further information
	<p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Dr J Pharmachem (India) and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.jpharmachem.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.</p> <p>Month of creation :- November 2013 Month of revision :- November 2016</p>