

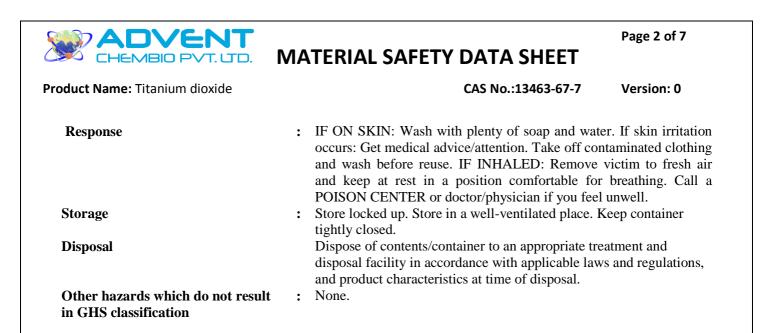
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Product Name: Titanium dioxide

CAS No.:13463-67-7

Version: 0

Product Code	: 9	0578	
Company Name	: A	dvent Chembio Priva	ate Limited
Address			NDUSTRIAL AREA, THANE-BELAPUR AVI MUMBAI - 400 701.
E-mail	: <u>ir</u>	nfo@adventchembio.c	<u>com</u>
WEBSITE	: <u>w</u>	ww.adventchembio.c	<u>com</u>
Company Phone Number	: 0	22-27690837	
2. Composition/Information	on Ingre	dients	
Ingredient		CAS No	Percent
FITANIUM DIOXIDE		13463-67-7	99- 100%
3. Hazards Identification			
Specific target organ toxicity - exposure Carcinogenicity L abels elements Hazard symbol	- single	: Category 3 : Category 2	
Signal word		: Warning : Causes skin irrita	ation. ratory irritation.
Hazard statement			siness or dizziness.



4. First Aid Measures	
General information	: Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.
Ingestion	: Rinse mouth thoroughly. Call a POISON CENTER or doctor/physician if you feel unwell.
Inhalation	: Move to fresh air. Get medical attention if symptoms persist.
Skin contact	: Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse .
Eye contact	: Flush thoroughly with water. If irritation occurs, get medical assistance.
Most important symptoms/effects, acute and delayed	: May cause skin irritation.
Indication of immediate medical attention and special treatment needed	: Treat symptomatically. Symptoms may be delayed.

5. Fire fighting measures		
General fire hazards Suitable (and unsuitable) extinguish	: ing:	In case of fire and/or explosion do not breathe fumes . media
Suitable extinguishing media	:	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	:	None known
Specific hazards arising from the chemical	:	During fire, gases hazardous to health may be formed.



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Special fire fighting procedures	: Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for fire-fighters	: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
6. Accidental Release Measures	

Personal precautions, protective equipment and emergency	:	Keep unauthorized personnel away. Keep upwind. Put on protective equipment before entering danger area. Ventilate closed spaces
procedures		before entering them. Avoid inhalation of dust.
Methods and material for	:	Sweep up and place in a clearly labeled container for chemical
containment and cleaning up		waste. Clean surface thoroughly to remove residual contamination.
Notification Procedures	:	Prevent entry into waterways, sewer, basements or confined areas.
		Inform authorities if large amounts are involved.
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. Avoid discharge
		into drains, water courses or onto the ground.

7. Handling and Storage		
Precautions for safe handling	: Avoid contact with eyes. Avoid contact with skin. Avoid of dust. Wash hands thoroughly after handling. Wear progloves/protective clothing/eye protection/face protection personal protective equipment as required. Wash thoroug handling. Obtain special instructions before use. Do not I all safety precautions have been read and understood.	tective Use hly after
Conditions for safe storage, including any incompatibilities	: Keep container tightly closed. Keep in a cool, well-ventil Store in a dry place.	ated place.

8. Exposure Controls Personal Protection

Control parameters

Occupational exposure limits	:	None of the components have assigned exposure limits
Appropriate engineering controls	:	No data available.
Individual protection measures, such	n as	personal protective equipment
General information	:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne



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	levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.
Eye/face protection	: Use tight fitting goggles if dust is generated.
Hand protection	: Wear protective gloves.
Other	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation use suitable respirator.
Hygiene measures	: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.

es	
:	White Solid Powder.
:	Odorless
:	6 - 7
:	1,855 °C 1,843 °C
:	2,500 °C 2,500 - 3,000 °C
:	Not applicable
:	No data available.
:	No data available.
:	4.26 (20 °C)
:	Soluble
:	Insoluble in water
:	O2Ti
:	79.9 g/mol

10. Stability and Reactivity

Reactivity Chemical stability Possibility of hazardous reactions Conditions to avoid Incompatible materials Hazardous decomposition products	: :	No dangerous reaction known under conditions of normal use. Material is stable under normal conditions. Hazardous polymerization does not occur. Contact with incompatible materials. Strong oxidizing agents. Metals. None known.
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Information on likely routes of expo	sure
Ingestion	: May be harmful if swallowed.
Inhalation	: May be harmful if inhaled.
Skin contact	: Causes skin irritation.
Eye contact	: May cause irritation.
Information on toxicological effects	
Acute toxicity (list all possible route	s of exposure)
Oral Product	: No data available.
Dermal Product	: No data available.
Inhalation Product	: No data available.
Repeated dose toxicity Product	: No data available.
Skin corrosion/irritation Product	: Causes skin irritation.
Serious eye damage/eye irritation Product	: May irritate eyes .
Respiratory or skin sensitization Product	: Not a skin sensitizer.
Carcinogenicity Product	: Suspected of causing cancer.
IARC Monographs on the	: Possibly carcinogenic to humans.
Evaluation of Carcinogenic Risks to Humans DIOXANE	
US. National Toxicology Program (NTP) Report on Carcinogens DIOXANE	: No carcinogenic components identified.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001- 1050	: No carcinogenic components identified.
Germ cell mutagenicity	
In vitro Product	: No mutagenic components identified
In vivo Product	: No mutagenic components identified
Reproductive toxicity Product	: No components toxic to reproduction
Specific target organ toxicity - single exposure Product	: Respiratory tract irritation.
Specific target organ toxicity - repeated exposure Product	: No data available.
Aspiration hazard Product	: Not classified
Other effects	: No data available.



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cotoxicity		
cute hazards to the aquatic enviro	onme	nt :
ish Product	:	No data available.
quatic invertebrates Product	:	No data available.
hronic hazards to the aquatic env	ironn	nent :
ish Product	:	No data available.
quatic invertebrates Product	:	No data available.
oxicity to Aquatic Plants Products	: :	No data available.
ersistence and degradability		
iodegradation Product	:	There are no data on the degradability of this product.
OD/COD ratio Product	:	No data available.
ioaccumulative potential		
ioconcentration factor (BCF)	:	No data available on bioaccumulation.
roduct		
artition coefficient n-octanol /	:	No data available.
ater (log Kow) Product		
Iobility in soil	:	No data available.
ther adverse effects	:	The product components are not classified as environmentally
	•	hazardous. However, this does not exclude the possibility that
		large or frequent spills can have a harmful or damaging effect on
		the environment.

Disposal instructions	: Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws
Contaminated packaging	 and regulations, and product characteristics at time of disposal. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	Not regulated				
IMDG			Not regulated		



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IATA	Not regulated

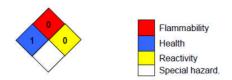
15. Regulatory Information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture No Data Available.

16. Other Information

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date :01/08/2014

Version : 0

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