

according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
9.0	2024/09/28	25438-00025	Date of first issue: 2014/10/24

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Temozolomide Formulation		
Manufacturer or supplier's de	etai	ils		
Company	:	MSD		
Address	:	199 Wenhai North Road HEDA, Hangzhou - Zhejiang Province - CHINA 310018		
Telephone	:	908-740-4000		
Emergency telephone number	:	86-571-87268110		
E-mail address	:	EHSDATASTEWARD@msd.com		
Recommended use of the chemical and restrictions on use				
Recommended use Restrictions on use	:	Pharmaceutical Not applicable		

2. HAZARDS IDENTIFICATION

Emergency Overview

		powder off-white No data available s eye irritation. Suspected of causing genetic defects. Suspect-
organs through prolonged or re		e fertility. May damage the unborn child. Causes damage to ated exposure.
GHS Classification		
Acute toxicity (Oral)	:	Category 2
Serious eye damage/eye irri- tation	:	Category 2A
Germ cell mutagenicity	:	Category 2
Carcinogenicity	:	Category 2
Reproductive toxicity	:	Category 1B
Specific target organ toxicity - repeated exposure	:	Category 1



according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

Version 9.0	Revision Date: 2024/09/28	SDS Number: 25438-00025	Date of last issue: 2024/04/06 Date of first issue: 2014/10/24
	label elements rd pictograms	:	
Signa	al word	: Danger	
Haza	rd statements	H341 Suspect H351 Suspect H360FD May	swallowed. serious eye irritation. ted of causing genetic defects. ted of causing cancer. damage fertility. May damage the unborn child. damage to organs through prolonged or repeated
Preca	autionary statements	P202 Do not h and understoc P260 Do not k P264 Wash sl P270 Do not e	vereathe dust. kin thoroughly after handling. eat, drink or smoke when using this product. otective gloves/ protective clothing/ eye protec-
		POISON CEN P305 + P351 for several min easy to do. Co P308 + P313 attention.	 + P330 IF SWALLOWED: Immediately call a ITER/ doctor. Rinse mouth. + P338 IF IN EYES: Rinse cautiously with water nutes. Remove contact lenses, if present and portinue rinsing. IF exposed or concerned: Get medical advice/ If eye irritation persists: Get medical advice/ at-
		Storage: P405 Store lo	cked up
		Disposal:	of contents/ container to an approved waste

Physical and chemical hazards

Not classified based on available information.

Health hazards

Fatal if swallowed. Causes serious eye irritation. Suspected of causing genetic defects. Suspected of causing cancer. May damage fertility. May damage the unborn child. Causes damage to organs through prolonged or repeated exposure.



according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
9.0	2024/09/28	25438-00025	Date of first issue: 2014/10/24

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Temozolomide	85622-93-1	>= 50 -< 70
Stearic acid	57-11-4	>= 1 -< 10
(+)-Tartaric acid	87-69-4	>= 1 -< 2.5

4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical
If inhaled	:	advice. If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	
If swallowed	:	If swallowed, DO NOT induce vomiting. Call a physician or poison control centre immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	
Protection of first-aiders	:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).



according to GB/T 16483 and GB/T 17519

Version 9.0	Revision Date: 2024/09/28		OS Number: 438-00025	Date of last issue: 2024/04/06 Date of first issue: 2014/10/24
Notes	s to physician	:	Treat symptomati	cally and supportively.
5. FIREFI	GHTING MEASURES			
Suita	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical	
Unsu media	itable extinguishing a	:	None known.	
	Specific hazards during fire- fighting		Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.	
Haza ucts	Hazardous combustion prod- ucts		Carbon oxides Nitrogen oxides (NOx) Metal oxides	
Spec ods	ific extinguishing meth-	:	 Use extinguishing measures that are appropriate to local cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is saf so. Evacuate area. 	
	Special protective equipment for firefighters			e, wear self-contained breathing apparatus. tective equipment.
6. ACCID	ENTAL RELEASE MEA	SUF	RES	
	onal precautions, protec-	:	• •	tective equipment. ling advice (see section 7) and personal pro-

tive equipment and emer- gency procedures	Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8).
Environmental precautions :	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for : containment and cleaning up	Sweep up or vacuum up spillage and collect in suitable con- tainer for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dust deposits should not be allowed to accumulate on surfac- es, as these may form an explosive mixture if they are re- leased into the atmosphere in sufficient concentration.



according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

Version 9.0	Revision Date: 2024/09/28	SDS Number: 25438-00025	Date of last issue: 2024/04/06 Date of first issue: 2014/10/24
		posal of this m employed in th mine which re Sections 13 ar	nal regulations may apply to releases and dis- naterial, as well as those materials and items ne cleanup of releases. You will need to deter- gulations are applicable. nd 15 of this SDS provide information regarding r national requirements.
7. HANDL	ING AND STORAGE		
Hand	llina		
	nical measures	causing an ex Provide adequ	ty may accumulate and ignite suspended dust plosion. uate precautions, such as electrical grounding or inert atmospheres.
Local	/Total ventilation		ntilation is unavailable, use with local exhaust
	e on safe handling	: Do not get on Do not breathe Do not swallow Do not get in e Wash skin tho Handle in acco practice, base sessment Keep containe Keep containe Keep away fro Take precautio Do not eat, dri	w. eyes. proughly after handling. ordance with good industrial hygiene and safety d on the results of the workplace exposure as- er tightly closed. generation and accumulation. er closed when not in use. om heat and sources of ignition. onary measures against static discharges. ink or smoke when using this product. orevent spills, waste and minimize release to the
Stora		3 3 3	
Cond	litions for safe storage	Store locked u Keep tightly cl Store in accor	
Deale	aging motorial	Explosives	aterial: None known.
Fack	aging material	. Unsultable ma	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components CAS-No.	Value type (Form of	Control parame- ters / Permissible	Basis
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according to GB/T 16483 and GB/T 17519

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
9.0	2024/09/28	25438-00025	Date of first issue: 2014/10/24

		exposure)	concentration	
Temozolomide	85622-93-1	TWA	0.1 ug/m3 (OEB 5)	Internal
		Wipe limit	1 µg/100 cm2	Internal
Stearic acid	57-11-4	TWA (Inhal- able particu- late matter)	10 mg/m3	ACGIH
		TWA (Res- pirable par- ticulate mat- ter)	3 mg/m3	ACGIH

Engineering measures :	Use closed processing systems or containment technologies to control at source (e.g., glove boxes/isolators) and to pre- vent leakage of compounds into the workplace. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. No open handling permitted. Totally enclosed processes and materials transport systems are required. Operations require the use of appropriate containment tech- nology designed to prevent leakage of compounds into the workplace.
Personal protective equipment	t
Respiratory protection : Filter type : Eye/face protection : Skin and body protection :	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols. Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis- posable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.
Hand protection	
Material :	Chemical-resistant gloves
Remarks : Hygiene measures :	Consider double gloving. If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the work- ing place. When using do not eat, drink or smoke.
	6 / 20



according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
9.0	2024/09/28	25438-00025	Date of first issue: 2014/10/24

Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder
Colour	:	off-white
Odour	:	No data available
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	1 g/cm ³
Solubility(ies) Water solubility	:	No data available
Partition coefficient: n- octanol/water	:	No data available



according to GB/T 16483 and GB/T 17519

Version 9.0	Revision Date: 2024/09/28		8 Number: 38-00025	Date of last issue: 2024/04/06 Date of first issue: 2014/10/24
Auto	-ignition temperature	:	No data availabl	e
Deco	omposition temperature	:	No data availabl	e
Visco V	osity iscosity, kinematic	:	No data availabl	e
Explo	osive properties	:	Not explosive	
Oxid	izing properties	:	The substance of	or mixture is not classified as oxidizing.
Mole	cular weight	:	No data availabl	e
	cle characteristics cle size	:	No data availabl	e
10. STAB		(
Cher	ctivity nical stability sibility of hazardous reac-	:	Stable under not May form explose dling or other me	vive dust-air mixture during processing, han-
Incor	ditions to avoid mpatible materials ardous decomposition	:	Heat, flames and Avoid dust forma Oxidizing agents No hazardous d	ation.
· ·		ΓΙΟΝ		
	osure routes	:	Inhalation Skin contact Ingestion Eye contact	
	t e toxicity I if swallowed.			
<u>Prod</u> Acute	luct: e oral toxicity		Acute toxicity est Method: Calculat	imate: 33.92 mg/kg ion method
Com	ponents:			
	ozolomide:	-	D = 0 (D = 1)	
	ozolomide: e oral toxicity		LD50 (Dog): 19 n LD50 (Rat): 315 i	



according to GB/T 16483 and GB/T 17519

0	Revision Date: 2024/09/28		S Number: 438-00025	Date of last issue: 2024/04/06 Date of first issue: 2014/10/24
п				
			LD50 (Mouse): 2	05 mg/kg
Stear	ic acid:			
Acute	e oral toxicity	:	LD50 (Rat): > 5,0 Method: OECD 1	000 mg/kg Fest Guideline 401
Acute	inhalation toxicity	:	LC50 (Rat): > 2 r Exposure time: 1 Test atmosphere Remarks: Based	h
Acute	e dermal toxicity	:	LD50 (Rabbit): > Assessment: The toxicity	2,000 mg/kg e substance or mixture has no acute dermal
 (+)-Ta	artaric acid:			
	e oral toxicity	:	LD50 (Rat): > 2,0 Method: OECD 1	000 mg/kg Fest Guideline 423
Acute	e dermal toxicity	:	Assessment: The	000 mg/kg Test Guideline 402 e substance or mixture has no acute dermal
			toxicity	
Skin	corrosion/irritation		τοχιζιτγ	
	corrosion/irritation lassified based on ava	ailable		
Not c		ailable		
Not c <u>Com</u> j	lassified based on ava ponents:	ailable		
Not c <u>Com</u> Stear	lassified based on ava ponents: ic acid:	ailable :	information.	
Not c Com Stear Speci Metho	lassified based on ava ponents: ic acid: ies od	ailable :	information. Rabbit Patch Test 24 Hr	S.
Not c <u>Com</u> Stear	lassified based on ava ponents: ic acid: ies od	ailable : :	information. Rabbit	S.
Not c <u>Com</u> Stear Speci Metho Resu	lassified based on ava ponents: ric acid: ies od lt	ailable : :	information. Rabbit Patch Test 24 Hr	S.
Not c Comj Stear Speci Metho Resu (+)-Ta	lassified based on ava ponents: ric acid: ies od It artaric acid:	ailable : :	information. Rabbit Patch Test 24 Hr No skin irritation	S.
Not c <u>Com</u> Stear Speci Metho Resu (+)-Ta Speci Metho	lassified based on ava ponents: ric acid: ies od lt artaric acid: ies od	ailable : : :	information. Rabbit Patch Test 24 Hr No skin irritation Rabbit OECD Test Guid	
Not c <u>Com</u> Stear Speci Metho Resu (+)-Ta	lassified based on ava ponents: ric acid: ies od lt artaric acid: ies od	ailable : : :	information. Rabbit Patch Test 24 Hr No skin irritation Rabbit	
Not c <u>Com</u> Stear Speci Metho Resu (+)-Ta Speci Metho Resu	lassified based on ava ponents: ric acid: ies od lt artaric acid: ies od		information. Rabbit Patch Test 24 Hr No skin irritation Rabbit OECD Test Guid No skin irritation	
Not c Com Stear Speci Metho Resu (+)-Ta Speci Metho Resu Serio	lassified based on ava ponents: ric acid: ies od lt artaric acid: ies od lt	irritati	information. Rabbit Patch Test 24 Hr No skin irritation Rabbit OECD Test Guid No skin irritation	
Not c <u>Com</u> Stear Speci Metho Resu (+)-Ta Speci Metho Resu Serio Caus	lassified based on ava ponents: ric acid: ies od lt artaric acid: ies od lt wus eye damage/eye	irritati	information. Rabbit Patch Test 24 Hr No skin irritation Rabbit OECD Test Guid No skin irritation	
Not c <u>Com</u> Stear Speci Metho Resu (+)-Ta Speci Metho Resu Serio Cause <u>Com</u>	lassified based on ava ponents: ric acid: ies od It artaric acid: ies od It ous eye damage/eye es serious eye irritatio	irritati	information. Rabbit Patch Test 24 Hr No skin irritation Rabbit OECD Test Guid No skin irritation	
Not c <u>Com</u> Stear Speci Metho Resu (+)-Ta Speci Metho Resu Serio Cause <u>Com</u>	lassified based on ava ponents: ic acid: ies bd It artaric acid: ies bd It pus eye damage/eye es serious eye irritation ponents: ic acid: ies	irritati	information. Rabbit Patch Test 24 Hr No skin irritation Rabbit OECD Test Guid No skin irritation	



according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
9.0	2024/09/28	25438-00025	Date of first issue: 2014/10/24

(+)-Tartaric acid:

Species Method		Bovine cornea OECD Test Guideline 437
Result	:	Irreversible effects on the eye

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Temozolomide:

Test Type	:	Maximisation Test
Exposure routes	:	Dermal
Species	:	Guinea pig
Test Type Exposure routes Species Result	:	negative

Stearic acid:

Test Type	: Maximisation Test
Exposure routes	: Skin contact
Species	: Guinea pig
Result	: negative
Test Type Exposure routes Species Result Remarks	: Based on data from similar materials

(+)-Tartaric acid:

Test Type	: Local lymph node assay (LLNA)	
Exposure routes	: Skin contact	
Species	: Mouse	
Method	: OECD Test Guideline 429	
Test Type Exposure routes Species Method Result	: negative	

Germ cell mutagenicity

Suspected of causing genetic defects.

Components:

Temozolomide:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: positive
		Test Type: Chromosome aberration test in vitro Test system: Human lymphocytes Result: positive

according to GB/T 16483 and GB/T 17519



Germ o Assess	cell mutagenicity - sment	:		om in vitro mammalian mutagenicity assays, e activity relationship to known germ cell
			matagono	
Stearie				
Genoto	oxicity in vitro	:	Method: OECD To Result: negative	nosome aberration test in vitro est Guideline 473 on data from similar materials
			Method: OECD To Result: negative	o mammalian cell gene mutation test est Guideline 476 on data from similar materials
			Result: negative	rial reverse mutation assay (AMES) on data from similar materials
∎ (+)-Tar	rtaric acid:			
Genoto	oxicity in vitro	:	Result: negative	ial reverse mutation assay (AMES) on data from similar materials
			Result: negative	nosome aberration test in vitro on data from similar materials
			Test Type: DNA c thesis in mammal Result: positive	lamage and repair, unscheduled DNA syn- ian cells (in vitro)
Genoto	oxicity in vivo	:		enicity (in vivo mammalian bone-marrow chromosomal analysis) : Ingestion
	ogenicity			
•	cted of causing cancer. onents:			
Specie Applica	zolomide: es ation Route ure time	:	Rat Oral 6 Months 4 mg/kg body wei positive	ght



according to GB/T 16483 and GB/T 17519

rsion)	Revision Date: 2024/09/28	SDS Nu 25438-0		Date of last issue: 2024/04/06 Date of first issue: 2014/10/24	
Targe	et Organs	: Man	nmary glan	d	
Carcinogenicity - Assess- ment			Limited evidence of carcinogenicity in animal studies		
May o	oductive toxicity damage fertility. May da	amage the	unborn chi	ild.	
	oonents:				
	ozolomide: is on fertility	Spe App Fert	cies: Rat, r lication Ro	ute: Oral L: 8.5 mg/kg body weight	
Effect ment	s on foetal develop-	Spe App Emt	cies: Rat lication Ro pryo-foetal	bryo-foetal development ute: Oral toxicity: LOAEL: 13 mg/kg body weight e, Malformations were observed.	
Repro sessn	oductive toxicity - As- nent	ity, t	based on a	e of adverse effects on sexual function and fender nimal experiments., Clear evidence of adver elopment, based on animal experiments.	
II Stear	ic acid:				
	s on fertility	repr Spe App Metl Res	oduction/de cies: Rat lication Ro nod: OECE ult: negativ	nbined repeated dose toxicity study with the evelopmental toxicity screening test ute: Ingestion) Test Guideline 422 e ed on data from similar materials	
Effect ment	s on foetal develop-	repr Spe App Metl Res	oduction/de cies: Rat lication Ro nod: OECE ult: negativ	nbined repeated dose toxicity study with the evelopmental toxicity screening test ute: Ingestion D Test Guideline 422 e ed on data from similar materials	
	artaric acid: is on foetal develop-	Spe App	cies: Rat	bryo-foetal development ute: Ingestion e	

according to GB/T 16483 and GB/T 17519



Temozolomide Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
9.0	2024/09/28	25438-00025	Date of first issue: 2014/10/24

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Components:

Temozolomide:

Exposure routes	: Ingestion
Target Organs	: Bone marrow, thymus gland, Lymph nodes, spleen
Target Organs Assessment	: Causes damage to organs through prolonged or repeated
	exposure.

Repeated dose toxicity

Components:

Temozolomide:

Species NOAEL LOAEL Application Route Exposure time Target Organs	Rat, female 4 mg/kg 21 mg/kg Oral 6 Months Lymph nodes, thymus gland, Bone marrow, Reproductive organs
Species NOAEL LOAEL Application Route Exposure time Target Organs	Rat, male 8.5 mg/kg 34 mg/kg Oral 6 Months Lymph nodes, thymus gland, Bone marrow, male reproductive organs, Gastrointestinal tract
Species NOAEL LOAEL Application Route Exposure time Target Organs	Dog 2.5 mg/kg 6.3 mg/kg Oral 6 Months Bone marrow, spleen, male reproductive organs, Gastrointes- tinal tract, thymus gland
Stearic acid: Species NOAEL Application Route Exposure time Method Remarks	Rat 1,000 mg/kg Ingestion 42 Days OECD Test Guideline 422 Based on data from similar materials



according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

Version Revision Date:	SDS Number:	Date of last issue: 2024/04/06
9.0 2024/09/28	25438-00025	Date of first issue: 2014/10/24

(+)-Tartaric acid:		
Species NOAEL	:	Rat
NOAEL	:	> 100 mg/kg
Application Route	:	Ingestion
Exposure time	:	2 yr

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

Temozolomide:

Ingestion	: Symptoms: Blood disorders, I	Nausea, Vomiting, Diarrhoea,
	anorexia, Fatigue, hair loss	

anorexia, Fatigue, hair loss

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Temozolomide:		
Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 90 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): 40 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms	:	EC50: > 100 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209
Stearic acid:		
Toxicity to fish	:	LL50 (Leuciscus idus (Golden orfe)): > 10,000 mg/l Exposure time: 48 h

according to GB/T 16483 and GB/T 17519



ersion 0	Revision Date: 2024/09/28	-	9S Number: 438-00025	Date of last issue: 2024/04/06 Date of first issue: 2014/10/24
			Method: DIN 3847	12
	v to daphnia and other invertebrates	:	Exposure time: 48 Method: OECD Te	est Guideline 202 on data from similar materials
Toxicity plants	v to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD To	est Guideline 201 on data from similar materials
			mg/l Exposure time: 72 Method: OECD Te	est Guideline 201 on data from similar materials
	to daphnia and other invertebrates (Chron- ty)	:	Exposure time: 21 Method: OECD Te	est Guideline 211 on data from similar materials
Toxicity	to microorganisms	:	EC10 (Pseudomo Exposure time: 18	nas putida): 883 mg/l 3 h
(+)-Tar	taric acid:			
	v to fish	:	LC50 (Danio rerio Exposure time: 96 Method: OECD Te	
	v to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48 Method: OECD Te	
Toxicity plants	∕ to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD To	
			NOEC (Pseudokin mg/l Exposure time: 72 Method: OECD To	
Toxicity	to microorganisms	:	EC50: > 1,000 mg	g/I

according to GB/T 16483 and GB/T 17519



/ersion).0	Revision Date: 2024/09/28		S Number: 438-00025	Date of last issue: 2024/04/06 Date of first issue: 2014/10/24
			Exposure time Method: OECI	: 3 h D Test Guideline 209
Persis	stence and degrada	bility		
<u>Comp</u>	onents:			
Temo	zolomide:			
Biode	gradability	:	Result: rapidly Biodegradation Exposure time	n: 83 %
Stabili	ty in water	:	Degradation h	alf life (DT50): < 1 d
Steari	c acid:			
	gradability	:	Biodegradation Exposure time	
Ⅱ (+)-Ta	rtaric acid:			
Biode	gradability	:	Biodegradation Exposure time	
Bioac	cumulative potentia	al		
<u>Comp</u>	onents:			
Temo	zolomide:			
	on coefficient: n- ol/water	:	log Pow: 1.35	
Steari	c acid:			
	on coefficient: n- ol/water	:	log Pow: 8.23	
	rtaric acid: on coefficient: n- ol/water	:	log Pow: -1.91	
	ity in soil ta available			
	adverse effects ta available			



according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
9.0	2024/09/28	25438-00025	Date of first issue: 2014/10/24

13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Do not dispose of waste into sewer.
		Dispose of in accordance with local regulations.
Contaminated packaging		Empty containers should be taken to an approved waste han- dling site for recycling or disposal.
		If not otherwise specified: Dispose of as unused product.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number Proper shipping name Class Subsidiary risk Packing group Labels Environmentally hazardous	:	Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable no
IATA-DGR UN/ID No. Proper shipping name Class Subsidiary risk Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft)		Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable Not applicable
IMDG-Code UN number Proper shipping name Class Subsidiary risk	:	Not applicable Not applicable Not applicable Not applicable

•	Not applicable
:	Not applicable
:	no
	:

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

GB 6944/12268

UN number	:	Not applicable
Proper shipping name	:	Not applicable



according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

ry risk group ollutant precautions for use cable TORY INFORMATIC regulatory informa	DN	
group ollutant precautions for use cable TORY INFORMATIC regulatory informa	Not applicable Not applicable Not applicable no	
group ollutant precautions for use cable TORY INFORMATIC regulatory informa	Not applicable Not applicable Not applicable no	
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	Control of Occupatio	onal Diseases
•	•	
e of Hazardous Che	micals	: Listed
tion of Maior Hazard	Installations for Hazar	dous Chemicals (GB 18218)
-	Threshold quantity	
		500 t
us Chemicals for Price	ority Management und	er : Listed
ons on Labour Pro	tection in Workplaces	s where Toxic Substances are Used
e of Highly Toxic Ch	emicals	: Not listed
		e First Import of Chemicals and the Imp
	ort : Not listed	
on on the Administ	tration of Precursor C	Chemicals
e and Classification	of Precursor Chemical	s : Not listed
River Protection La	aw	
duct does not contair	n any dangerous chem	icals prohibited for inland river transport.
ponents of this pro	oduct are reported in	the following inventories:
	: not determined	
	: not determined	
	: not determined	
	ions on Safety Man ue of Hazardous Che ation of Major Hazard de Chemical r Acute toxic us Chemicals for Prio ions on Labour Pro- ue of Highly Toxic Che ion of Environments fort of Toxic Chemic everely Restricted To ort ion on the Administ ue and Classification River Protection La duct does not contair	ions on Safety Management of Hazardou ation of Major Hazard Installations for Hazard de Chemical name / Category Acute toxic us Chemicals for Priority Management under ions on Labour Protection in Workplaces ation of Environmental Management on the bort of Toxic Chemicals everely Restricted Toxic Chemicals for Impor- ort ion on the Administration of Precursor Co ation of Environmental management on the bort of Toxic Chemicals everely Restricted Toxic Chemicals for Impor- ort ion on the Administration of Precursor Co ation of this product are reported in

Revision Date

: 2024/09/28



according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
9.0	2024/09/28	25438-00025	Date of first issue: 2014/10/24

Further information

Sources of key data used to :	Internal technical data, data from raw material SDSs, OECD
compile the Safety Data	eChem Portal search results and European Chemicals Agen-
Sheet	cy, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format	:	yyyy/mm/dd
Full text of other abbreviation	ns	
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA	:	8-hour, time-weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation: DSL - Domestic Substances List (Canada): ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration. Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only



according to GB/T 16483 and GB/T 17519

Temozolomide Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 2024/04/06
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to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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