



Vers 6.0	sion	Revision Date: 2024/09/28		S Number: 650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09			
1. P	1. PRODUCT AND COMPANY IDENTIFICATION							
	Chemical product name :		Amitraz (50%) S	olid Formulation				
	Other means of identification :		COOPERS AMIT	TIK CATTLE DIP AND SPRAY (41044)				
	Supplier's company name, add Company name of supplier			ess and phone n MSD	umber			
	Addres	S	:	Kumagaya, Saita Menuma factory	ama Prefecture, Xicheng 810 MSD Co., Ltd.			
	Telepho	one	:	048-588-8411				
	E-mail a	address	:	EHSDATASTEW	/ARD@msd.com			
	Emerge	ency telephone numbe	r:	+1-908-423-6000	0			

Recommended use of the chemical and restrictions on use

Recommended use	:	Veterinary product
Restrictions on use	:	Not applicable

Restrictions on use :	Not applicable
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2. HAZARDS IDENTIFICATION

GHS classification of chemical product					
Acute toxicity (Oral)	:	Category 4			
Serious eye damage/eye irri- tation	• :	Category 1			
Skin sensitisation	:	Category 1			
Germ cell mutagenicity	:	Category 2			
Carcinogenicity	:	Category 1B			
Specific target organ toxicity repeated exposure	- :	Category 2 (Liver, Central nervous system)			
Short-term (acute) aquatic hazard	:	Category 1			
Long-term (chronic) aquatic hazard	:	Category 1			

GHS label elements



Version 6.0	Revision Date: 2024/09/28	SDS Number: 10650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
Haza	rd pictograms		
Signa	al word	: Danger	
Haza	rd statements	H318 Causes s H341 Suspecte H350 May caus H373 May caus system) throug	se an allergic skin reaction. serious eye damage. ed of causing genetic defects.
Preca	autionary statements	P202 Do not ha and understood P260 Do not br P264 Wash ski P270 Do not ea P272 Contamir the workplace. P273 Avoid rele	reathe dust. In thoroughly after handling. at, drink or smoke when using this product. nated work clothing should not be allowed out o ease to the environment. tective gloves/ protective clothing/ eye protec-
		CENTER/ doct P302 + P352 If P305 + P351 + water for sever and easy to do CENTER/ doct P308 + P313 If attention. P333 + P313 If vice/ attention.	exposed or concerned: Get medical advice/ skin irritation or rash occurs: Get medical ad- ake off contaminated clothing and wash it before
		Storage: P405 Store loc	ked up.
		Disposal:	of contents/ container to an approved waste



Version	Revision Date:	SDS Number:	Date of last issue: 2023/11/27
6.0	2024/09/28	10650649-00007	Date of first issue: 2022/04/09

Other hazards which do not result in classification

Important symptoms and out-	:	May form explosive dust-air mixture during processing, han-
lines of the emergency as-		dling or other means.
sumed		

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)	ENCS No.
amitraz (ISO)	33089-61-1	50	-
Nonylphenol, ethoxylated	9016-45-9	2	7-172
Paraformaldehyde	30525-89-4	1	9-1941

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 advice.
If inhaled	:	If inhaled, remove to fresh air.
		Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with 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	:	• •
in case of eye contact	•	for at least 15 minutes.
		If easy to do, remove contact lens, if worn.
		Get medical attention immediately.
If swallowed	:	If swallowed, DO NOT induce vomiting.
		Get medical attention.
		Rinse mouth thoroughly with water.
•• •• • • •		Never give anything by mouth to an unconscious person.
Most important symptoms	:	Harmful if swallowed.
and effects, both acute and		May cause an allergic skin reaction.
delayed		Causes serious eye damage.
		Suspected of causing genetic defects. May cause cancer.
		May cause damage to organs through prolonged or repeated
		exposure.
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).
Notes to physician	:	Treat symptomatically and supportively.





Version	Revision Date:	SDS Number:	Date of last issue: 2023/11/27	
6.0	2024/09/28	10650649-00007	Date of first issue: 2022/04/09	

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	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.
Hazardous combustion prod- ucts	:	Carbon oxides Sulphur oxides Metal oxides
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. 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. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items



Version 6.0	Revision Date: 2024/09/28	SDS Number: 10650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
		mine which regulations 13 and	cleanup of releases. You will need to deter- ulations are applicable. I 15 of this SDS provide information regarding national requirements.
7. HANDL	ING AND STORAGE		
Hand	lling		
Tech	nical measures	causing an expl Provide adequa	may accumulate and ignite suspended dust osion. te precautions, such as electrical grounding inert atmospheres.
Local	/Total ventilation		ilation is unavailable, use with local exhaust
	e on safe handling	Handle in accor practice, based sessment Keep container Keep away from Protect from mo Minimize dust g Keep container Keep away from Take precautior Do not eat, drinl Take care to pre environment.	dust. es. bughly after handling. dance with good industrial hygiene and safety on the results of the workplace exposure as- tightly closed. h water. bisture. eneration and accumulation. closed when not in use. h heat and sources of ignition. hary measures against static discharges. k or smoke when using this product. event spills, waste and minimize release to the
Avoid	lance of contact	: Oxidizing agent Water	S
Hygie	ene measures	flushing system place. When using do Contaminated w workplace. Wash contamin The effective op engineering con appropriate deg	nemical is likely during typical use, provide eye s and safety showers close to the working not eat, drink or smoke. vork clothing should not be allowed out of the ated clothing before re-use. veration of a facility should include review of trols, proper personal protective equipment, owning and decontamination procedures, ne monitoring, medical surveillance and the ative controls.
Stora	ige		
Cond	itions for safe storage	: Keep in properly Store locked up Keep tightly close	



Version	Revision Date:	SDS Number:	Date of last issue: 2023/11/27
6.0	2024/09/28	10650649-00007	Date of first issue: 2022/04/09
Materi	ials to avoid		nce with the particular national regulations. the following product types: agents

Packaging material

: Unsuitable material: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold limit value and permissible exposure limits for each component in the work environment

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Concentra- tion standard / Permissible con- centration	Basis
amitraz (ISO)	33089-61-1	TWA	10 µg/m3 (OEB 3)	Internal
		Wipe limit	1250 µg/100 cm²	Internal

Occupational exposure limits of decomposition products

	=								
Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis					
E a secoldada da	50.00.0	· · /							
Formaldehyde	50-00-0	ACL	0.1 ppm	JP OEL ISHL					
		OEL-M	0.1 ppm	JP OEL					
			0.12 mg/m3	JSOH					
	Further informa	ation: Airway ser	nsitizing agent; Group	2 substances					
			reactions in humans.						
	ing agent; Group 1 substances which induc								
	humans, Grou	humans, Group 2A: probably carcinogenic to humans							
		OEL-C	0.2 ppm	JP OEL					
			0.24 mg/m3	JSOH					
	Further information: Airway sensitizing agent; Group 2 sub								
	which probably	induce allergic	reactions in humans.	, Skin sensitiz-					
	ing agent; Grou	up 1 substances	which induce allergic	c reactions in					
	humans, Grou	o 2A: probably c	arcinogenic to humar	าร					
		TWA	0.1 ppm	ACGIH					
		STEL	0.3 ppm	ACGIH					
Engineering measures : All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.									

protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices).

Minimize open handling.

Personal protective equipment

Respiratory protection : If a

: If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.



Version 6.0	Revision Date: 2024/09/28	-	DS Number: 650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
	Filter type d protection	:	: Combined particulates and inorganic gas/vapour type	
Ν	Material		Chemical-resista	nt gloves
II Eye	Remarks Eye protection Skin and body protection		Consider double gloving. Impermeable protective gloves 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.	
9. PHYSI	ICAL AND CHEMICAL F	PROI	PERTIES	
Phys	sical state	:	: powder	
Colo	bur	:	white	
			grey	
Odo	Odour		No data availabl	e

Odour Threshold	: No data available

Melting point/freezing point	:	No data available		
Boiling point, initial boiling point and boiling range	:	No data available		
Flammability (solid, gas)	:	May form explosive dust-air mixture during processing, han- dling or other means.		
Flammability (liquids)		No data available		
Lower explosion limit and upper explosion limit / flammability limit Upper explosion limit / Up- : No data available per flammability limit				
Lower explosion limit / Lower flammability limit	:	No data available		

Decomposition temperature : No data available



ation rate	:	No data available Not applicable	9
	:		
	:		
	:	Not applicable	
ition temperature		not applicable	
	•	No data available)
y osity, kinematic	:	Not applicable	
	:	No data available	9
	:	Not applicable	
pressure	:	Not applicable	
	у :	No data available)
sity	:	No data available)
vapour density	:	Not applicable	
ve properties	:	Not explosive	
g properties	: The substance or mixture is not classified as oxid		mixture is not classified as oxidizing.
ar weight	:	No data available)
	:	No data available	
	osity, kinematic y(ies) er solubility n coefficient: n- water pressure	 bity, kinematic y(ies) ber solubility coefficient: n- <licoefficient: li="" n-<=""> coefficient: n- coef</licoefficient:>	bsity, kinematic : Not applicable y(ies) er solubility : No data available a coefficient: n- water pressure : Not applicable and / or relative density tive density : No data available sity : No data available vapour density : Not applicable vapour density : Not applicable ye properties : Not explosive g properties : The substance of ar weight : No data available characteristics

10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	: :	Not classified as a reactivity hazard. Stable under normal conditions. May form explosive dust-air mixture during processing, han- dling or other means. Can react with strong oxidizing agents. Hazardous decomposition products will be formed upon con- tact with water or humid air.
Conditions to avoid	:	Exposure to moisture Heat, flames and sparks. Avoid dust formation.
Incompatible materials	:	





ersion)	Revision Date: 2024/09/28	-	S Number: 650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
	dous decomposition p ct with water or humid	eroc :	l ucts Formaldehyde	
. TOXIC	OLOGICAL INFORMAT	101	J	
Inform expos	ation on likely routes of ure	:	Inhalation Skin contact Ingestion Eye contact	
	toxicity ul if swallowed.			
<u>Produ</u>				
Acute	oral toxicity	:	Acute toxicity est Method: Calculat	timate: 946.17 mg/kg tion method
Acute	inhalation toxicity	:	Acute toxicity est Exposure time: 4 Test atmosphere Method: Calculat	⊧h e: dust/mist
<u>Comp</u>	oonents:			
amitra	az (ISO):			
Acute	oral toxicity	:	LD50 (Rat): > 40	0 mg/kg
			LD50 (Mouse): >	• 1,085 mg/kg
			LD50 (Guinea pi	g): > 400 mg/kg
Acute	inhalation toxicity	:	Remarks: No dat	ta available
Acute	dermal toxicity	:	LD50 (Rat): > 1,6	600 mg/kg
Nonyl	phenol, ethoxylated:			
	oral toxicity	:	LD50 (Rat): 500	- 2,000 mg/kg
Parafe	ormaldehyde:			
Acute	oral toxicity	:	LD50 (Rat, male): 592 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): 1.07 Exposure time: 4 Test atmosphere	h
11	dermal toxicity	:	LD50 (Rat): > 10	



ersion .0	Revision Date: 2024/09/28	SDS Number: 10650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09		
Skin	corrosion/irritation				
	lassified based on ava	ilable information.			
<u>Comp</u>	ponents:				
amitr	az (ISO):				
Species Result		: Rabbit : No skin irritatio	n		
Nony	Iphenol, ethoxylated	:			
Speci Metho Resul	bc	: Rabbit : OECD Test Gu : No skin irritatio			
Paraf	ormaldehyde:				
Speci Resul		: Rabbit : Skin irritation			
Serio	ous eye damage/eye i	rritation			
Cause	es serious eye damag	e.			
<u>Com</u>	ponents:				
	az (ISO):				
Speci Resul		: Rabbit : No eye irritatio	n		
Nony	Iphenol, ethoxylated	:			
Speci	ies	: Rabbit : Irreversible effects on the eye			
Resul Metho		: OECD Test Gu			
Paraf	ormaldehyde:				
Speci Resul	ies It	: Rabbit : Irreversible effe	ects on the eye		
Resp	iratory or skin sensi	tisation			
	sensitisation cause an allergic skin	reaction.			
-	iratory sensitisation lassified based on ava	ilable information.			
<u>Com</u>	ponents:				
amitr	az (ISO):				
Test Expos	Type sure routes	: Maximisation T : Dermal	est		



Version 6.0	Revision Date: 2024/09/28	SDS Number: 10650649-00007	Date of last issue: 2023/11/27 7 Date of first issue: 2022/04/09				
Speci Resu		: Guinea pig : Not a skin se	ensitizer.				
Nony	Iphenol, ethoxylated:						
Test Expos Speci Resu Rema	sure routes ies It	: Skin contact : Guinea pig : negative					
Paraf	formaldehyde:						
Test Expos Speci Resu Rema	sure routes ies It	: Skin contact : Mouse : positive	node assay (LLNA) ta from similar materials				
Asses	ssment	: Probability o mans	r evidence of high skin sensitisation rate in hu-				
Suspo <u>Com</u> amitr	n cell mutagenicity ected of causing geneti ponents: raz (ISO): ntoxicity in vitro		acterial reverse mutation assay (AMES) tive				
		Test Type: Ir Result: nega	n vitro mammalian cell gene mutation test tive				
		Test Type: C Result: nega	hromosome aberration test in vitro tive				
			NA damage and repair, unscheduled DNA syn- nmalian cells (in vitro) tive				
Nony	Iphenol, ethoxylated:						
Geno	toxicity in vitro	Result: nega	acterial reverse mutation assay (AMES) tive used on data from similar materials				
Paraf	formaldehyde:						
Geno	toxicity in vitro	Result: posit	acterial reverse mutation assay (AMES) ive used on data from similar materials				



ersion .0	Revision Date: 2024/09/28	SDS Number: 10650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
Geno	toxicity in vivo	Result: positive Remarks: Base Test Type: in vi Result: positive Remarks: Base Test Type: DNA thesis in mamm Result: positive Remarks: Base Test Type: In vi malian cells Result: positive Remarks: Base : Test Type: Mar	ed on data from similar materials tro micronucleus test ed on data from similar materials A damage and repair, unscheduled DNA syn- nalian cells (in vitro) ed on data from similar materials itro sister chromatid exchange assay in mam- ed on data from similar materials
		Result: positive Remarks: Base Test Type: Mar cytogenetic ass Species: Rat Application Rou Result: positive	ute: inhalation (vapour) ed on data from similar materials nmalian erythrocyte micronucleus test (in vivo say) ute: Ingestion
	cell mutagenicity - ssment		ed on data from similar materials s) from in vivo mammalian somatic cell muta-
May o <u>Com</u>	nogenicity cause cancer. <u>conents:</u>		
Speci Applio	cation Route sure time EL	: Rat : Oral : 2 Years : > 10.18 mg/kg : negative	body weight
LOAE Resu	sure time L	: Mouse : 2 Years : 2.3 mg/kg body : positive : Liver, Stomach	-



)	Revision Date: 2024/09/28	SDS Number: 10650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
Paraf	ormaldehyde:		
	cation Route sure time	: Rat : Ingestion : 105 weeks : negative	
Speci Applic Expos Resu Resu	cation Route sure time It	: Rat : Inhalation : 28 Months : positive : Based on data f	rom similar materials
Carci ment	nogenicity - Assess-	: Sufficient evider	nce of carcinogenicity in animal experiment
Repr	oductive toxicity lassified based on avai	ilable information.	
_	oonents:		
<u>Com</u> amitr	az (ISO):		
<u>Com</u> amitr		Species: Rat Application Rou Fertility: NOAEL	e-generation reproduction toxicity study te: Oral .: > 4.8 mg/kg body weight ficant adverse effects were reported
Com amitr Effect	az (ISO):	Species: Rat Application Rou Fertility: NOAEL Result: No signi : Test Type: Emb Species: Rat Application Rou Developmental	te: Oral .: > 4.8 mg/kg body weight ficant adverse effects were reported ryo-foetal development

Components:

Paraformaldehyde:

Assessment : May cause respiratory irritation.

STOT - repeated exposure

May cause damage to organs (Liver, Central nervous system) through prolonged or repeated exposure.



Version 5.0	Revision Date: 2024/09/28	SDS Number: 10650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
<u>Comp</u>	oonents:		
amitra	az (ISO):		
	t Organs	: Liver, Central	nervous system
Asses	ssment	: May cause da exposure.	amage to organs through prolonged or repeated
Repe	ated dose toxicity		
Comp	oonents:		
	az (ISO):		
Speci		: Mouse	
NOAE		: 3 mg/kg	
Expos	cation Route sure time	: Oral : 90 Days	
Targe	t Organs	: Liver	
Speci		: Dog	
NOAE		: 0.25 mg/kg	
	cation Route sure time	: Oral : 90 Days	
	t Organs		us system, Liver
Paraf	ormaldehyde:		
Speci		: Rat, male	
NOAE		: 15 mg/kg	
	cation Route	: Ingestion : 105 Weeks	
Rema			a from similar materials
Aspir	ation toxicity		
•	assified based on ava	ailable information.	
Expe	rience with human e	exposure	
<u>Comp</u>	oonents:		
amitra	az (ISO):		
Ingest	tion	: Target Organ	s: Central nervous system
12. ECOL	OGICAL INFORMAT	ION	
Ecoto	oxicity		
<u>Comp</u>	oonents:		
amitr	az (ISO):		



rsion	Revision Date: 2024/09/28		9S Number: 650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
II			Exposure time: 96	3 h
	ty to daphnia and other c invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): 0.035 mg/l } h
Toxici plants	ty to algae/aquatic	:	NOEC (Pseudokin mg/l Exposure time: 91	rchneriella subcapitata (green algae)): 0.0 h
	ctor (Acute aquatic tox-	:	10	
icity) Toxici icity)	ty to fish (Chronic tox-	:	NOEC (Pimephale mg/l Exposure time: 32	es promelas (fathead minnow)): 0.00148 2 d
aquati ic toxi		:	NOEC (Daphnia r Exposure time: 21	nagna (Water flea)): 0.0011 mg/l ⊢d
M-Fac toxicit	ctor (Chronic aquatic y)	:	10	
Nonyl	phenol, ethoxylated:			
Toxici	ty to fish	:	Exposure time: 96	s promelas (fathead minnow)): > 0.1 - 1 m 5 h on data from similar materials
	ty to daphnia and other c invertebrates	:	Exposure time: 48	nia dubia (water flea)): > 0.1 - 1 mg/l 3 h on data from similar materials
Toxici plants	ty to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD To	
			Exposure time: 72 Method: OECD Te	
M-Fac icity)	ctor (Acute aquatic tox-	:	1	
	ty to fish (Chronic tox-	:	Exposure time: 10	tipes (Japanese medaka)): > 0.1 - 1 mg/l 00 d on data from similar materials
	ty to daphnia and other c invertebrates (Chron- city)	:	mg/l Exposure time: 28	is bahia (opossum shrimp)): > 0.001 - 0.0 3 d on data from similar materials
M-Fac	tor (Chronic aquatic	:	10	



Version 6.0	Revision Date: 2024/09/28		9S Number: 650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
toxicity)			
	, rmaldehyde:			
	/ to fish	:	LC50 : > 1 mg/l Exposure time: 96 Remarks: Based () h on data from similar materials
	y to daphnia and other invertebrates	:	Exposure time: 48 Method: OECD Te	
Toxicity plants	y to algae/aquatic	:	Exposure time: 72 Method: OECD Te	
Toxicity icity)	y to fish (Chronic tox-	:	Exposure time: 28	tipes (Orange-red killifish)): > 1 mg/l 3 d on data from similar materials
	y to daphnia and other invertebrates (Chron- ity)	:	Exposure time: 21 Method: OECD To	
Toxicity	y to microorganisms	:	EC50: > 10 mg/l Exposure time: 3 Method: OECD To Remarks: Based of	
II Persist	tence and degradabili	ty		
	onents:			
Nonvir	ohenol, ethoxylated:			
	radability	:	Result: Not readily Remarks: Based	y biodegradable. on data from similar materials
	rmaldehyde:			
Biodeg	radability	:	Result: Readily bi Remarks: Based	odegradable. on data from similar materials
Bioacc	umulative potential			
Compo	onents:			
	z (ISO):			
Bioaccu	umulation	:		macrochirus (Bluegill sunfish) factor (BCF): 1,333



Environmentally hazardous : yes

IATA-DGR

UN/ID No.

Class

Proper shipping name

Version 6.0	Revision Date: 2024/09/28		DS Number: 0650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
	tion coefficient: n- nol/water	:	log Pow: 5.5	
Nony	/Iphenol, ethoxylated:			
Partit	tion coefficient: n- nol/water	:	log Pow: 4.48	
Para	formaldehyde:			
	tion coefficient: n- nol/water	:	log Pow: -1.40 Remarks: Calcula	ation
Mobi	ility in soil			
<u>Com</u>	ponents:			
amit	raz (ISO):			
	bution among environ- al compartments	:	log Koc: 3.3	
	rdous to the ozone lay applicable	er		
	r adverse effects ata available			
13. DISPO	DSAL CONSIDERATION	NS		
Disp	osal methods			
-	e from residues	:	Dispose of in acc	ordance with local regulations.
Cont	aminated packaging			f waste into sewer. s should be taken to an approved waste han-
Conta	aminated packaging	•	dling site for recy	cling or disposal. pecified: Dispose of as unused product.
14. TRAN	SPORT INFORMATION	I		· · ·
Inter	national Regulations			
UNR	-			
	umber	:	UN 3077	
Prop	er shipping name	:	N.O.S.	
Class	5	:	(amitraz (ISO), M 9	lonylphenol, ethoxylated)
Pack	ing group	:	III	
Labe	ls	:	9	

: Environmentally hazardous substance, solid, n.o.s. (amitraz (ISO), Nonylphenol, ethoxylated)

: UN 3077

: 9



Version 6.0	Revision Date: 2024/09/28		0S Number: 650649-00007	Date of last issue: 2023/11/27 Date of first issue: 2022/04/09
Packin	g group	:	111	
Labels		:	Miscellaneous	
Packin aircraft	g instruction (cargo	:	956	
Packin ger air	g instruction (passen-	:	956	
Enviro	nmentally hazardous	:	yes	
IMDG-	Code			
UN nu		:	UN 3077	
Proper	shipping name	:	ENVIRONMENT	ALLY HAZARDOUS SUBSTANCE, SOLID,
-			N.O.S.	
				onylphenol, ethoxylated)
Class		:	9	
Packin	g group	:		
Labels		:	9	
EmS C	ode	:	F-A, S-F	
Marine	pollutant	:	yes	

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

Not applicable for product as supplied.

National Regulations

Refer to section 15 for specific national regulation.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

ERG Code : 171

15. REGULATORY INFORMATION

Related Regulations

Fire Service Law

Not applicable to dangerous materials / designated flammables.

Chemical Substance Control Law

Priority Assessment Chemical Substance

Chemical name	Number
alpha-(Nonylphenyl)-omega-hydroxypoly(oxyethylene)	86

Industrial Safety and Health Law

Harmful Substances Prohibited from Manufacture

Not applicable

Harmful Substances Required Permission for Manufacture

Not applicable





ersion 0	Revision Date: 2024/09/28	SDS Number: 10650649-00007	Date of last issue: Date of first issue:	
Not a	pplicable	om Impairment of He		
on Ex	Iar concerning Infor cisting Chemicals ha pplicable		having Mutagenicity	 Annex 2: Information
Circu			having Mutagenicity	- Annex 1: Information
	pplicable	0 0 ,		
	tances Subject to be	Notified Names		
	e 57-2 (Enforcement (
	nical name	/	Concentration (%)	Remarks
	ethyl-1,5-di(2,4-xylyl)- apenta-1,4-diene	1,3,5-	>=50 - <60	From April 1st, 2025
	/lphenol, ethoxylated		>=1 - <10	From April 1st, 2026
Form	naldehyde		>=1 - <10	-
Cher	e 57 (Enforcement Or nical name		·	Remarks
		1,3,5-triazapenta-1,4-d	iene	From April 1st, 2025
	/lphenol, ethoxylated aldehyde			From April 1st, 2026
				A = 4 . 50.4.0
	nical name	bstances for PPE Re		7 Art. 594-2)
		1,3,5-triazapenta-1,4-d	iene	_
Carci	nogenic Substance	s (Article 577-2 of the		and Safety Regula-
tions) Not a) pplicable			
Ordin		of Hazards Due to S	pecified Chemical Su	bstances
Ordin	nance on Prevention	of Lead Poisoning		
Ordin		of Tetraalkyl Lead Po	bisoning	
Ordin		of Organic Solvent F	Poisoning	
Enfor Subs	cement Order of the tances)	e Industrial Safety and	d Health Law - Attach	ed table 1 (Dangerous
Not a	pplicable			
Poisc	onous and Deleterio pplicable	us Substances Contr	ol Law	



Version	Revision Date:	SDS Number:	Date of last issue: 2023/11/27
6.0	2024/09/28	10650649-00007	Date of first issue: 2022/04/09

Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof

Class I Designated Chemical Substances

	hemical name	Administration number	Concentration (%)
Po	oly(oxyethylene) alkylphenyl ether (lim-	410	2.0
ite	ed to those the alkyl group is C=9)		
Pa	araformaldehyde	699	1.0

Class II Designated Chemical Substances

Chemical name	Administration number	Concentration (%)
3-Methyl-1,5-di(2,4-xylyl)-1,3,5-	432	50
triazapenta-1,4-diene		

High Pressure Gas Safety Act

Not applicable

Explosive Control Law

Not applicable

Vessel Safety Law

Miscellaneous dangerous substances and articles (Article 2 and 3 of rules on shipping and storage of dangerous goods and its Attached Table 1)

Aviation Law

Miscellaneous dangerous substances and articles (Article 194 of The Enforcement Rules of Aviation Law and its Attached Table 1)

Marine Pollution and Sea Disaster Prevention etc Law

Bulk transportation :		Not classified as noxious liquid substance
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Pack transportation : Classified as marine pollutant

Narcotics and Psychotropics Control Act

Narcotic or Psychotropic Raw Material (Export / Import Permission) Not applicable Specific Narcotic or Psychotropic Raw Material (Export / Import permission) Not applicable

Waste Disposal and Public Cleansing Law

Industrial waste

The components of this product are reported in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

16. OTHER INFORMATION

In this SDS, if the concentration of substances subject to notification under the Industrial Safety and Health Law is indicated as a range, it includes cases where it is a trade secret.



Version	Revision Date:	SDS Number:	Date of last issue: 2023/11/27
6.0	2024/09/28	10650649-00007	Date of first issue: 2022/04/09

Further information

Sources of key data used to : compile the Safety Data	Internal technical data, data from raw material SDSs, OECD 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 abbreviations			
ACGIH JP OEL ISHL JP OEL JSOH	:	USA. ACGIH Threshold Limit Values (TLV) Japan. Administrative Control Levels Japan. The Japan Society for Occupational Health. Recom- mendation of Occupational Exposure Limits	
ACGIH / TWA ACGIH / STEL JP OEL ISHL / ACL JP OEL JSOH / OEL-M JP OEL JSOH / OEL-C	:	8-hour, time-weighted average Short-term exposure limit Administrative Control level Occupational Exposure Limit-Mean Occupational Exposure Limit-Ceiling	

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 Recom-





Version	Revision Date:	SDS Number:	Date of last issue: 2023/11/27
6.0	2024/09/28	10650649-00007	Date of first issue: 2022/04/09

mendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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 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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