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SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

ARALDITE® 2040 A US

Version	Revis
1.0	06/13

vision Date: 13/2017

Product name	:	ARALDITE® 2040 A US	Acc Pre-Status
Manufacturer or supplier's de	tai	Is	
Company name of supplier Address		Huntsman Advanced Materials Americas LLC 2795 Slough Avenue Mississauga, ON L4T 1G2, Canada	
Telephone	:	+1 905 678 9150	
E-mail address of person responsible for the SDS	:	MSDS@huntsman.com	
Emergency telephone number	:	Chemtrec: (800) 424-9300 or (703) 527-3887	
Recommended use of the che	m	ical and restrictions on use	
Recommended use	:	Component of a Polyurethane System.	

SDS Number:

400001012596

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Acute toxicity (Inhalation)	: Category 4	
Skin irritation	: Category 2	
Eye irritation	: Category 2B	
Respiratory sensitisation	: Category 1	
Skin sensitisation	: Category 1	
Specific target organ toxicity - single exposure	: Category 3 (Respiratory system)

GHS label elements

Hazard pictograms



Signal word

- : Danger
- Hazard statements : H315 + H320 Causes skin and eye irritation. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.





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Precautionary statements :	P264 Wash skin ti P271 Use only ou P272 Contaminate the workplace. P280 Wear protect P284 Wear respire Response: P302 + P352 IF C P304 + P340 + P3 and keep comfort CENTER/doctor if	atory protection. N SKIN: Wash with plenty of water. 312 IF INHALED: Remove person to fresh ai able for breathing. Call a POISON you feel unwell. 338 IF IN EYES: Rinse cautiously with water
	to do. Continue rir P333 + P313 If sk attention. P337 + P313 If ey attention. P342 + P311 If ex POISON CENTER P362 + P364 Take reuse. Storage: P403 + P233 Stor tightly closed. P405 Store locked Disposal: P501 Dispose of c	in irritation or rash occurs: Get medical advic re irritation persists: Get medical advice/ speriencing respiratory symptoms: Call a R/doctor. e off contaminated clothing and wash it befor re in a well-ventilated place. Keep container

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'- methylenebis[4-isocyanatobenzene]	59675-67-1	95 - 100

SECTION 4. FIRST AID MEASURES

General advice

: Move out of dangerous area. Do not leave the victim unattended.



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		Show this safe Move out of da Show this safe	ttention immediately if symptoms occur. ety data sheet to the doctor in attendance. angerous area. ety data sheet to the doctor in attendance. he victim unattended.
If inhaled		Call a physicia Keep patient v Keep respirate If breathing is If breathing is respiration. If unconscious advice. Consult a physic shortness of b A hyper-reacti diisocyanates The exposed p surveillance for LC50 (rat) : cal	difficult, give oxygen. irregular or stopped, administer artificial s, place in recovery position and seek medical sician immediately if symptoms such as reath or asthma are observed. ve response to even minimal concentrations of may develop in sensitised persons. person may need to be kept under medical
			an or poison control centre immediately. s, place in recovery position and seek medical
In ca	se of skin contact	of water. Take off conta Wash contam Thoroughly cle Call a physicia An MDI study cleanser (such	tact, immediately flush skin with soap and plenty iminated clothing and shoes immediately. inated clothing before reuse. ean shoes before reuse. an if irritation develops or persists. has demonstrated that a polyglycol-based skin as D-TamTM, PEG-400) or corn oil may be than soap and water.
		If on skin, rins	n persists, call a physician. e well with water. remove clothes.
In ca	se of eye contact	for at least 15 If easy to do, r Protect unhan Keep eye wide If eye irritation	emove contact lens, if worn.
		Remove conta Protect unhari Keep eye wide	act lenses.





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If swallowed		E K If re If	O NOT induc hysician or po eep respirato eep at rest. a person von ecovery positi lever give any symptoms pe	nits when lying on his back, place him in the
		C N If	lever give any symptoms pe	ry tract clear. k or alcoholic beverages. thing by mouth to an unconscious person. ersist, call a physician. mediately to hospital.
	important symptoms ffects, both acute and ed	a T s a s S lu o T s A	naphylactic sl his product is ensitiser: repe bove the occu ensitisation. symptoms ma ings, possibly f chest and di he onset of th everal hours a hyper-reactiv	skin reactions, bronchiospasm and hock a respiratory irritant and potential respiratory eated inhalation of vapour or aerosol at levels ipational exposure limit could cause respiratory y include irritation to the eyes, nose, throat and combined with dryness of the throat, tightness fficulty in breathing. The respiratory symptoms may be delayed for after exposure. Ye response to even minimal concentrations of lop in sensitised persons.
Protection of first-aiders		s It If P	uitable trainin may be dang nouth-to-mout potential for ersonal prote- irst Aid respo	be taken involving any personal risk or without g. erous to the person providing aid to give h resuscitation. exposure exists refer to Section 8 for specific ctive equipment. nders should pay attention to self-protection commended protective clothing
Notes	to physician	S		nd supportive therapy as needed. Following re medical follow-up should be monitored for at
				ccedure should be established in consultation responsible for industrial medicine.
		S		nd supportive therapy as needed. Following re medical follow-up should be monitored for at

SECTION 5. FIREFIGHTING MEASURES



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Su	uitable extinguish	ing media			measures that are appropriate to local d the surrounding environment. :O2)
	nsuitable extingu edia	ishing	1		ed if no other available and then in copious on between water and hot isocyanate may
	becific hazards d efighting	uring	1	courses. The pressure in se influence of heat.	off from fire fighting to enter drains or water ealed containers can increase under the mposition products may be a hazard to
				No data is availab	le on the product itself.
	azardous combus oducts	stion		hydrocarbons (sm Nitrogen oxides (N	
				No hazardous cor	nbustion products are known
	pecific extinguish ethods	ing		Cool containers/ta	inks with water spray.
Fı	Further information		:	Due to reaction wi build-up of pressu are re-sealed. Collect contamina must not be disch Prevent fire exting water or the groun Fire residues and	uishing water from contaminating surface
	pecial protective r firefighters	equipment	•		d positive pressure self-contained breathing ion to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	 Immediately evacuate personnel to safe areas. Use personal protective equipment. If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Only qualified personnel equipped with suitable protective equipment may intervene. For additional precautions and advice on safe handling, see
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		Make sure absorbent The dange relevant w Treat reco considera	Irn spills in original containers for re-use. that there is a sufficient amount of neutralizing/ material near the storage area. er areas must be delimited and identified using arning and safety signs. vered material as described in the section "Disposal ions". cal considerations see section 13.
Enviro	onmental precautions	environme Do not alle Prevent pr Prevent fu Local auth cannot be If the prod	ow uncontrolled discharge of product into the ent. ow material to contaminate ground water system. oduct from entering drains. rther leakage or spillage if safe to do so. orities should be advised if significant spillages contained. uct contaminates rivers and lakes or drains inform authorities.
Methods and materials for containment and cleaning up		Contain sp material, (and transf national re Clean con Sweep up container Neutralize The comp Section 16 Remove a Clean-up If the prod Spilled MI The area s dust partic If the prod Soak up w acid binde Leave to r Shovel int Wash the Test atmo	methods - small spillage pillage, soak up with non-combustible absorbent e.g. sand, earth, diatomaceous earth, vermiculite) er to a container for disposal according to local / egulations (see section 13). taminated surface thoroughly. or vacuum up spillage and collect in suitable for disposal. small spillages with decontaminant. ositions of liquid decontaminants are given in b. nd dispose of residues. methods - large spillage uct is in its solid form: DI flakes should be picked up carefully. should be vacuum cleaned to remove remaining eles completely. uct is in its liquid form: rith inert absorbent material (e.g. sand, silica gel, r, universal binder, sawdust). eact for at least 30 minutes. D open-top drums for further decontamination. spillage area with water. sphere for MDI vapour. uitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Technical measures	nsure that eyewash stations and safe ne workstation location.	ty showers are close to
Local/Total ventilation	lse only with adequate ventilation.	
Advice on protection against fire and explosion	lormal measures for preventive fire pr	otection.





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Ad	vice on safe handling	For personal pr Avoid formation Do not breathe Do not breathe Do not swallow Do not get in ev Do not get on s Avoid exposure	vapours or spray mist. vapours/dust. yes or mouth or on skin.
		application area Provide sufficie Keep container Open drum car Dispose of rins regulations. Persons susce allergies, chron	
Co	nditions for safe storage	place. Keep in properly Observe label pr Protect from mo Electrical installa technological saf	sture. ations / working materials must comply with the Fety standards. n are opened must be carefully resealed and kept
Ma	terials to avoid	: Acids Amines Bases Metals water	
	commended storage nperature	: 2 - 40 °C	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Components with workplace control parameters

Engineering measures	:	effective ventilation in all processing areas
Personal protective equipme	nt	
Respiratory protection		Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated





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			s, the hazards of the product and the safe f the selected respirator.
Hand Rema	protection arks	with the produc Protective glove made polyureth	or a specific workplace should be discussed ers of the protective gloves. es should be worn when handling freshly ane products to avoid contact with trace als which may be hazardous in contact with
		EN374: protecti microorganisms provide suitable polyethylene, P laminated ("EV/ Nitrile/butadiene	esistant gloves classified under Standard ive gloves against chemicals and s. Examples of glove materials that might e protection include: Butyl rubber, Chlorinated olyethylene, Ethyl vinyl alcohol copolymers AL"), Polychloroprene (Neoprene*), e rubber ("nitrile" or "NBR"), Polyvinyl chloride "), Fluoroelastomer (Viton*).
		glove with prote	d or frequently repeated contact may occur, a action class of 5 or higher (breakthrough time 0 minutes according to EN374) is
		class of 3 or hig minutes accord	f contact is expected, a glove with protection gher (breakthrough time greater than 60 ing to EN374) is recommended. gloves should be decontaminated and
		application and take into accou not limited to : c requirements (c	ection of a specific glove for a particular duration of use in a workplace should also nt all requisite workplace factors such as, but other chemicals that may be handled, physical cut/puncture protection, dexterity, thermal well as instructions/specifications provided by ier.
Eye p	protection	be used when a to avoid exposu Chemical splas Always wear ey eye contact with Please follow a selecting protect	ve protection when the potential for inadverten h the product cannot be excluded. Il applicable local/national requirements when ctive measures for a specific workplace. wash stations and safety showers are close
Skin a	and body protection	concentration o Recommended	rotection according to the amount and f the dangerous substance at the work place.





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		Tyvek Pro 'F'	disposable coverall.
Prote	ctive measures	gloves, safety The type of pr to the concent at the specific Ensure that ey	ective equipment comprising: suitable protective goggles and protective clothing otective equipment must be selected according tration and amount of the dangerous substance workplace. /e flushing systems and safety showers are to the working place.
Hygie	ene measures	practice. Wash face, ha handling. Remove conta before enterin When using d Contaminated workplace. Wash hands b the product.	ordance with good industrial hygiene and safety ands and any exposed skin thoroughly after aminated clothing and protective equipment g eating areas. o not eat, drink or smoke. work clothing should not be allowed out of the before breaks and immediately after handling before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	milky
		white
Odour	:	slight
Odour Threshold	:	No data is available on the product itself.
рН	:	No data is available on the product itself.
Freezing point	:	No data is available on the product itself.
Melting point		No data is available on the product itself.
Boiling point		No data is available on the product itself.
Flash point	:	> 93 °C Method: estimated, closed cup
Evaporation rate	:	No data is available on the product itself.
Flammability (solid, gas)	:	No data is available on the product itself.
Flammability (liquids)	:	No data is available on the product itself.
Upper explosion limit	:	No data is available on the product itself.
Lower explosion limit	:	No data is available on the product itself.





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Va	pour pressure	:	No data is availal	ble on the product itself.
Re	elative vapour density	:	No data is availal	ble on the product itself.
Re	elative density	:	1.14	
De	ensity	:	No data is availal	ble on the product itself.
	lubility(ies) Water solubility	:	Water reactive	
	Solubility in other solvents	:	No data is availal	ble on the product itself.
	rtition coefficient: n- tanol/water	:	No data is availal	ble on the product itself.
	to-ignition temperature	:	No data is availal	ble on the product itself.
Th	ermal decomposition	:	No data is availal	ble on the product itself.
de	If-Accelerating composition temperature ADT)	:	No data is availal	ble on the product itself.
Vis	scosity	:	No data is availal	ble on the product itself.
Ex	plosive properties	:	No data is availal	ble on the product itself.
O	didizing properties	:	No data is availal	ble on the product itself.
Pa	article size	:	No data is availal	ble on the product itself.

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Stable under normal conditions. Reaction with water (moisture) produces CO2-gas. Exothermic reaction with materials containing active hydrogen groups. The reaction becomes progressively more vigorous and can be violent at higher temperatures if the miscibility of the reaction partners is good or is supported by stirring or by the presence of solvents. MDI is insoluble with, and heavier than water and sinks to the bottom but reacts slowly at the interface. A solid water-insoluble layer of polyurea is formed at the interface by liberating carbon dioxide gas.
Conditions to avoid	:	Extremes of temperature and direct sunlight. Exposure to air or moisture over prolonged periods.
Incompatible materials	:	Acids Amines



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		Bases Metals water	
Hazar produ	dous decomposition cts	nitrogen (NOx Hydrocarbons Hydrogen cya	e (CO2), carbon monoxide (CO), oxides of), dense black smoke. nide (hydrocyanic acid) ces noxious and toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	8	No data is available on the product itself.
Acute toxicity Acute oral toxicity	;	No data available
Acute inhalation toxicity - Product	;	Acute toxicity estimate: 11.58 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity - Product	÷	Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method
Acute toxicity (other routes of administration)	:	No data available

Skin corrosion/irritation

Product:

Remarks: May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Product:

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation

Product:

Remarks: Causes sensitisation.

Assessment:

No data available

Germ cell mutagenicity

Genotoxicity in vitro	1	No data available
Genotoxicity in vivo		No data available



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Carcinogenicity

Product:

Remarks: Rats have been exposed for two years to a respirable aerosol of polymeric MDI which resulted in a chronic pulmonary irritation at high concentrations. Only at the top level (6 mg/m3), there was a significant incidence of a benign tumour of the lung (adenoma) and one malignant tumour (adenocarcinoma). There were no lung tumours at 1 mg/m3 and no effects at 0.2 mg/m3. Overall, the tumour incidence, both benign and malignant, and the number of animals with the tumours were not different from controls. The increased incidence of lung tumours is associated with prolonged respiratory irritation and the concurrent accumulation of yellow material in the lung, which occurred throughout the study. In the absence of prolonged exposure to high concentrations leading to chronic irritation and lung damage, it is highly unlikely that tumour formation will occur.

Carcinogenicity - Assessment	: No data available
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
Reproductive toxicity Effects on fertility	: No data available
Effects on foetal development	: No data available
Reproductive toxicity - Assessment	: No data available

STOT - single exposure

Components:

Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'methylenebis[4-isocyanatobenzene]: Exposure routes: Inhalation Target Organs: Respiratory Tract Assessment: May cause respiratory irritation.

STOT - repeated exposure

No data available

Repeated dose toxicity

No data available

Repeated dose toxicity - : No data available Assessment

Aspiration toxicity

No data available



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ARALD	DITE® 2040 A	US	
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Expe	rience with humar	ı exposure	
Gene	ral Information:	No data available	
Inhala	ation:	No data available	
Skin	contact:	No data available	
Eye c	contact:	No data available	
Inges	tion:	No data available	
	cology, Metabolisn ata available	n, Distribution	
	ological effects ata available		
Furth	er information		
<u>Prod</u> Rema	<u>uct:</u> arks: No data availa	ble	
Othe	r health hazards		
No da	ata available		
SECTION	12. ECOLOGICAL	INFORMATION	
	oxicity		
Toxic	ity to fish	: No data availab	e

Toxicity to daphnia and other aquatic invertebrates	: No data available
Toxicity to algae	: No data available
M-Factor (Acute aquatic toxicity)	: No data available
Toxicity to fish (Chronic toxicity)	: No data available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: No data available
M-Factor (Chronic aquatic	: No data available



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t	toxicity)				
ļ	Toxicity	to microorganisms	:	No data available	
	Toxicity organisi	to soil dwelling ms		No data available	
F	Plant to	xicity		No data available	
S	Sedime	nt toxicity	•	No data available	
	Toxicity organisi	to terrestrial ms	:	No data available	
		cology Assessment quatic toxicity	:	No data available	
(Chronic	aquatic toxicity	:	No data available	
1	Toxicity	Data on Soil	:	No data available	
		rganisms relevant to ironment	•	No data available	
		ence and degradabili adability	ity :	No data available	
		nical Oxygen d (BOD)	ł	No data available	
	Chemic (COD)	al Oxygen Demand	ł	No data available	
E	BOD/CO	DC		No data available	
Į	ThOD		•	No data available	
E	BOD/Th	OD	•	No data available	
	Dissolve (DOC)	ed organic carbon	•	No data available	
	Physico removal	-chemical bility		No data available	
Ş	Stability	in water	:	No data available	
F	Photode	egradation		No data available	
	Impact o Treatme	on Sewage ent	:	No data available	
		umulative potential	:	No data available	



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	Partitio octanol	n coefficient: n- /water	1	No data available	
		y in soil			
	Mobility	/	6	No data available	
		ution among mental compartments	:	No data available	
	Stabilit	y in soil	:	No data available	
		adverse effects nmental fate and lys	C	No data available	
	Results assess	s of PBT and vPvB ment	:	No data available	
	Endocr potentia	ine disrupting al	6	No data available	
		ed organic bound ns (AOX)	ŝ	No data available	
		lous to the ozone laye	ər		
	Ozone	e-Depletion Potential		Not applicable	
		nal ecological ation - Product	5	No data available	
		warming potential	2	No data available	

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	 Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION





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International Regulations

TDG

Not regulated as dangerous goods

ΙΑΤΑ

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

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

Not applicable for product as supplied.

National Regulations

TDG

Not regulated as dangerous goods

SECTION 15. REGULATORY INFORMATION

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

7	
CH INV	 The formulation contains substances listed on the Swiss Inventory, On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
TCSI	: On the inventory, or in compliance with the inventory
TSCA	: On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

Canada. CEPA 1999 Significant New Activity (SNAc) List

No substances are subject to a Significant New Activity Notification.



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SECTION 16. OTHER INFORMATION

Further information



HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Liquid decontaminants (percentages by weight or volume) :

Decontaminant 1 : *- sodium carbonate : 5 - 10 % *- liquid detergent : 0.2 - 2 % *- water : to make up to 100 %

Decontaminant 2 : *- concentrated ammonia solution : 3 - 8 % *- liquid detergent : 0.2 - 2 % *- water : to make up to 100 %

Decontaminant 1 reacts slower with diisocyanates but is more environmentally friendly than decontaminant 2.

Decontaminant 2 contains ammonia. Ammonia presents health hazards. (See supplier safety information.)

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The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.



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ARALDITE® 2040 B US

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SECTION 1. IDENTIFICATION

Product name	: ARALDITE® 2040 B US		
Manufacturer or supplier's de	tails		
Company name of supplier Address	 Huntsman Advanced Materials Americas LLC 2795 Slough Avenue Mississauga, ON L4T 1G2, Canada 		
Telephone	: +1 905 678 9150		
E-mail address of person responsible for the SDS	: MSDS@huntsman.com		
Emergency telephone number	: Chemtrec: (800) 424-9300 or (703) 527-3887		
Recommended use of the chemical and restrictions on use			
Recommended use	: Catalyst		

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accord Skin irritation	nce with the Hazardous Products Regulations : Category 2	
Serious eye damage	: Category 1	
Skin sensitisation	: Category 1	
Acute aquatic toxicity	: Category 3	
Chronic aquatic toxicity	: Category 3	
GHS label elements Hazard pictograms		
Signal word	: Danger	
Hazard statements	 H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects. 	
Precautionary statements	 Prevention: P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. 	f





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		P280 Wear pro Response: P302 + P352 II P305 + P351 + water for sever	ease to the environment. btective gloves/ eye protection/ face protection. F ON SKIN: Wash with plenty of water. • P338 + P310 IF IN EYES: Rinse cautiously with ral minutes. Remove contact lenses, if present b. Continue rinsing. Immediately call a POISON br.
		attention.	f skin irritation or rash occurs: Get medical advice/ Take off contaminated clothing and wash it before

Storage:

Not available

Disposal:

P501 Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 9.0709 %

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 9.0709 %

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
1,1'-phenyliminodipropan-2-ol	3077-13-2	10 - 20
2-ethylhexane-1,3-diol	94-96-2	5 - 10
Alkoxylated amine	102-60-3	1 - 5
titanium dioxide	13463-67-7	1 - 5
cyclohex-1,2-ylenediamine	694-83-7	1 - 5
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.1 - 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	0.1 - 1

SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhold		If unconceleure, place in recovery position and east modia

lf inhaled

: If unconscious, place in recovery position and seek medical





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In cas	se of skin contact	: If skin irritatior If on skin, rins	ersist, call a physician. n persists, call a physician. e well with water. remove clothes.
In cas	se of eye contact	tissue damage In the case of of water and s Continue rinsi Remove conta Protect unhan Keep eye wide	
lf swa	allowed	Never give an If symptoms p	
	important symptoms ffects, both acute and ed	: None known.	

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	No data is available on the product itself.
		Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known
		No data is available on the product itself.
Specific extinguishing methods	:	No data is available on the product itself.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.



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Special protective equipment		: Wear self-contain	ed breathing apparatus for firefighting if	

Special protective equipment for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Technical measures	:	Ensure that eyewash stations and safety showers are close to the workstation location.
Local/Total ventilation	:	Ensure adequate ventilation.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
		Normal measures for preventive fire protection.
Advice on safe handling	:	Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.





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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components with workplace						
Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis		
titanium dioxide	13463-67-7	dust)	15 mg/m3	OSHA Z-1		
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH		
Engineering measures	: Maintain a standards.		elow occupational ex	posure		
Personal protective equipme	ent					
Respiratory protection	: Use respiration	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines				
Filter type	: Combined	particulates and o	rganic vapour type			
Hand protection Material Material Break through time		butyl-rubber Ethyl Vinyl Alcohol Laminate (EVAL) > 8 h				
Material Material Break through time	: Neoprene	Nitrile rubber Neoprene rubber 10 - 480 min				
Remarks	with the provident team of the provident	The suitability for a specific workplace should be discussed with the producers of the protective gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The suitability for a specific workplace should be discussed with the producers of the protective gloves.				
Eye protection	Eye wash Tightly fittir	Safety glasses Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.				
Skin and body protection	Impervious Choose bo	Protective suit Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.				
Hygiene measures		When using do not eat or drink. When using do not smoke.				





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Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	paste
Colour	:	grey
Odour	:	mild
Odour Threshold	:	No data is available on the product itself.
pН	:	No data is available on the product itself.
Freezing point	:	No data is available on the product itself.
Melting point		No data is available on the product itself.
Boiling point		No data is available on the product itself.
Flash point	:	> 200 °C Method: closed cup
Evaporation rate	:	No data is available on the product itself.
Flammability (solid, gas)	:	No data is available on the product itself.
Flammability (liquids)	:	No data is available on the product itself.
Upper explosion limit	:	No data is available on the product itself.
Lower explosion limit	:	No data is available on the product itself.
Vapour pressure	:	No data is available on the product itself.
Relative vapour density	:	No data is available on the product itself.
Relative density	:	1.23
Density	:	No data is available on the product itself.
Solubility(ies) Water solubility	:	slightly soluble
Solubility in other solvents	:	No data is available on the product itself.
Partition coefficient: n- octanol/water	:	No data is available on the product itself.
Auto-ignition temperature	:	No data is available on the product itself.
Thermal decomposition	:	No data is available on the product itself.
Self-Accelerating decomposition temperature	:	No data is available on the product itself.



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(SAD)T)				
Viscosity		: No data is av	: No data is available on the product itself.		
Explosive properties		: No data is av	: No data is available on the product itself.		
Oxidizing properties		: No data is av	: No data is available on the product itself.		
Particle size		: No data is av	vailable on the product itself.		

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reactions	 No decomposition if stored and applied as directed. No decomposition if stored and applied as directed. No decomposition if stored and applied as directed.
Conditions to avoid	: No data available
Incompatible materials	: Strong acids and strong bases Strong oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	No data is available on the product itself.
Acute toxicity		
Acute oral toxicity - Product	:	Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity - Product	:	Acute toxicity estimate: > 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity - Product	:	Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method
Acute toxicity (other routes of administration)	:	No data available

Skin corrosion/irritation

Product:

Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Product:

Remarks: May cause irreversible eye damage.





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Version 1.1	Revision Date: 06/13/2017		OS Number: 0001012612	Date of last issue: 06/13/2017 Date of first issue: 06/13/2017	
Produ			n		
Remar	ks: Causes sensitisati	on.			
Components: titanium dioxide: Assessment: No skin irritation, No eye irritation Does not cause skin sensitisation., Does not cause respin sensitisation.					
Germ	cell mutagenicity				
<u>Components:</u> titanium dioxide: Genotoxicity in vitro		:	: Test Type: Ames test Concentration: 100 - 200 ug/plate Metabolic activation: with and without metabolic activatio Method: OECD Test Guideline 471 Result: negative		
			Test Type: In vitro mammalian cell gene mutation test Concentration: 31 - 500 µg/L Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative		

Test Type: Chromosome aberration test in vitro Concentration: 125 - 2500 µg/L Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative

cyclohex-1,2-ylenediamine: Genotoxicity in vitro

: Concentration: 15 - 1500 ug/plate Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative GLP: yes

Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative GLP: yes

Concentration: 33 - 1142 µg/L Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative GLP: yes

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate:

: Metabolic activation: with and without metabolic activation Genotoxicity in vitro Method: OECD Test Guideline 471



ARALDITE® 2040 B US Version Revision Date: SDS Number: Date of last issue: 06/13/2017 06/13/2017 400001012612 1.1 Date of first issue: 06/13/2017 Result: negative Components: titanium dioxide: Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse (males) Application Route: Inhalation Exposure time: 5 consecutive days Dose: 0.8, 7.2, and 28.5 mg/m3 Method: OECD Test Guideline 474 Result: negative Test Type: Micronucleus test Species: Rat (male and female) Application Route: Oral Exposure time: once Dose: 500, 1000, and 2000 mg/kg bw Method: OECD Test Guideline 474 Result: negative cvclohex-1.2-vlenediamine: Genotoxicity in vivo : Application Route: Inhalation Exposure time: 13 Weeks Dose: 1.6 - 160 mg/m3 Method: OECD Test Guideline 474 Result: negative GLP: yes Application Route: Oral Dose: 75 - 750 mg/kg Method: OECD Test Guideline 475 Result: negative GLP: yes Components: titanium dioxide: : Tests on bacterial or mammalian cell cultures did not show Germ cell mutagenicity-Assessment mutagenic effects., Animal testing did not show any mutagenic effects. : No data available Germ cell mutagenicity-Assessment Carcinogenicity Components: titanium dioxide: Species: Rat, (male and female) Application Route: Oral Exposure time: 103 weeks Dose: 0, 25000, 50000 ppm Frequency of Treatment: 7 days/week NOAEL: > 50.000 ppm



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Method: No information available.

Remarks: Titanium Dioxide: based on the results of chronic inhalation studies (with positive results only in a single species - rat), IARC has concluded that: "There is inadequate evidence in humans for the carcinogenicity of titanium dioxide." but that : "There is sufficient evidence in experimental animals for carcinogenicity of titanium dioxide". IARCs overall evaluation was that "titanium dioxide is possibly carcinogenic to humans (Group 2B)."

Huntsman has examined all of the available animal carcinogenicity and mechanistic data together with workplace epidemiology data for titanium dioxide and concludes that the weight of scientific evidence indicates that there is no causative link between titanium dioxide exposure and cancer risk in humans and that workplace exposures in compliance with applicable exposure standards will not result in lung cancer or chronic respiratory diseases in humans.

Components:			
titanium dioxide: Carcinogenicity - Assessment	: Not classifiable as a human carcinogen.		
	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.		
Reproductive toxicity			
<u>Components:</u> Alkoxylated amine: Effects on fertility	: Species: Rat, male and female Application Route: Oral Method: OECD Test Guideline 422		
cyclohex-1,2-ylenediamine:	Species: Rat, male and female Application Route: Oral Method: OECD Test Guideline 416 GLP: yes		
Components:			
2-ethylhexane-1,3-diol: Effects on foetal development	 Species: Rat, female Application Route: Oral General Toxicity Maternal: No observed adverse effect level: 1,000 mg/kg body weight Result: No teratogenic effects 		
	Species: Rat, female Application Route: Dermal General Toxicity Maternal: No observed adverse effect level: 1,884 mg/kg body weight Result: Teratogenic effects		
Alkoxylated amine:			
	Species: Rat, female Application Route: Oral		



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		General Toxicity 400 mg/kg body Result: No terate	
titaniu	m dioxide:		
		Duration of Sing Frequency of Tr General Toxicity 1,000 mg/kg boo Developmental 1,000 mg/kg boo	te: Oral and 1000 mg/kg bw/ le Treatment: 20 d eatment: 7 days/week Maternal: No observed adverse effect level: dy weight Toxicity: No observed adverse effect level: dy weight Test Guideline 414
cycloh	ex-1,2-ylenediamine:	ca. 184 mg/kg b	te: Oral / Maternal: No observed adverse effect level: ody weight Test Guideline 414
titaniu	<u>onents:</u> m dioxide: ductive toxicity - sment		adverse effects on sexual function and fertility, ent, based on animal experiments.
sтот	- single exposure		
cycloh Expos Target	onents: ex-1,2-ylenediamine: ure routes: Inhalation Organs: Respiratory sment: May cause resp		
стот	- repeated exposure		
No dat	a available		
Repea	ted dose toxicity		
Comp	onents:		
2-othy	Ibevane-1 3-diol		

2-ethylhexane-1,3-diol: Species: Rat, male and female LOAEL: 100 mg/kg Application Route: Ingestion Exposure time: 696 h Number of exposures: 5 d Method: Subacute toxicity



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Species: Rat NOAEL: 480 mg/kg Application Route: Ingestion Exposure time: 2,160 h Method: Subchronic toxicity

Species: Rat, male and female NOAEL: 3768 mg/kg Application Route: Skin contact Exposure time: 13 Weeks Number of exposures: 5 d Method: Subchronic toxicity

Alkoxylated amine: Species: Rat, male and female NOAEL: 1000 mg/kg/d Application Route: Ingestion Exposure time: 1,176 h Number of exposures: 7 d Method: Subacute toxicity

Species: Rat, male and female NOAEL: 300 mg/kg/d Application Route: Ingestion Exposure time: 1,176 h Number of exposures: 7 d Method: Subacute toxicity

titanium dioxide: Species: Rat, male and female : 3500 mg/m3 Application Route: Ingestion Test atmosphere: dust/mist Exposure time: 2 yr Number of exposures: 5 d Method: Chronic toxicity

Species: Rat, male and female : 10 - 50 mg/m3 Application Route: Inhalation Exposure time: 2 yr Number of exposures: 6 hours/day, 5 days/week Method: Chronic toxicity

cyclohex-1,2-ylenediamine: Species: Rat, male and female : 16 mg/m3 Test atmosphere: dust/mist Exposure time: 13 Weeks Method: OECD Test Guideline 413

Components:



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Repe	um dioxide: ated dose toxicity - ssment		ion, No eye irritation ffect has been observed in chronic toxicity tests.	
	ration toxicity ata available			
Expe	rience with huma	n exposure		
Gene	General Information: No data available			
Inhala	ation:	No data available		
Skin	contact:	No data available		
Evo o	vontact: No data available			

- Eye contact: No data available
- Ingestion: No data available

Toxicology, Metabolism, Distribution

No data available

Neurological effects

No data available

Further information

Product:

Remarks: No data available

Other health hazards

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

2-ethylhexane-1,3-diol: Toxicity to fish	: LC50 (Ictalurus punctatus (channel catfish)): 624 mg/l
	Exposure time: 96 h Test Type: static test
Alkoxylated amine:	
Toxicity to fish	 LC50 (Leuciscus idus (Golden orfe)): 4,600 mg/l Exposure time: 96 h Test Type: flow-through test



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		Test substance Method: DIN 3 LC50 (Leucisc Exposure time Test Type: stat Method: DIN 3	8412 us idus (Golden orfe)): 2,700 mg/l : 48 h tic test
	im dioxide: ity to fish	10,000 mg/l Exposure time Test Type: ser Test substance	
	nex-1,2-ylenediamine: ity to fish	Exposure time Test substance Method: DIN 3 GLP: yes	e: Fresh water
	2,2,6,6-pentamethyl-4-p ity to fish	: LC50 (Lepomis Exposure time Test substance	
2-ethy Toxici	oonents: /lhexane-1,3-diol: ity to daphnia and other ic invertebrates	Exposure time Test Type: sta	
Toxici	ylated amine: ity to daphnia and other ic invertebrates	Exposure time Test Type: sta	
Toxic	nex-1,2-ylenediamine: ity to daphnia and other ic invertebrates	Exposure time Test Type: sta Test substance	tic test
Toxic	2,2,6,6-pentamethyl-4-p ity to daphnia and other ic invertebrates		a magna (Water flea)): 20 mg/l : 24 h



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			Test substance: Method: OECD 1	Fresh water Test Guideline 202
	nponents:			
	hylhexane-1,3-diol: icity to algae	:	Exposure time: 7 Test Type: static	
			Exposure time: 7 Test Type: static	
Alko	xylated amine:			
	icity to algae	:	EC50 (Other): 15 Exposure time: 7 Test substance: Method: Directive	2 h
	ohex-1,2-ylenediamine: icity to algae	:	EC50: 29.6 mg/l Exposure time: 7	2 h
bis(M-F toxic met	hyl 1,2,2,6,6-pentamethyl actor (Acute aquatic	: -4-p	1	
	nponents:			
Alko Toxi toxic cycl	oxylated amine: icity to fish (Chronic city) ohex-1,2-ylenediamine: icity to fish (Chronic	:	GLP: yes GLP: yes	
	2.			
Alko Toxi aqua	nponents: exylated amine: icity to daphnia and other atic invertebrates ronic toxicity)	:	Exposure time: 2 Test Type: semi- Test substance:	static test
Toxi aqua	ohex-1,2-ylenediamine: icity to daphnia and other atic invertebrates ronic toxicity)	:	NOEC (Daphnia Exposure time: 2 Test Type: semi-	





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An	ALDI	1E 2040 B 03		
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				stance: Fresh water OECD Test Guideline 211
	M-Fact toxicity	or (Chronic aquatic)	: No data a	available
	bis(1,2,	onents: ,2,6,6-pentamethyl-4-p / to microorganisms	: EC50 (ac Exposure	cate: ctivated sludge): > 100 mg/l e time: 3 h OECD Test Guideline 209
	Toxicity organis	/ to soil dwelling ms	: No data a	available
		onents: n dioxide: oxicity		100,000 mg/kg e time: 480 h
	titaniun	n dioxide: ent toxicity	Study: Ac	
			Water: Fr Exposure	e: semi-static test resh water e duration: 28 d ASTM Method, other
			Study: Ch Test Type Water: Fr Exposure	arus pulex (Amphipod)): 100000 mg/kgsedimentdw hronic e: semi-static test resh water e duration: 28 d ASTM Method, other
			Study: Ac Test Type Water: Ma	arus pulex (Amphipod)): 14989mg/kgsedimentdw cute le: semi-static test farine water e duration: 10 d
	titaniun	onents: n dioxide: y to terrestrial sms		10,000 mg/kg e time: 672 h
	Ecotoxi	icology Assessment		
		onents:	A size of the second second	handa.
		1,2,2,6,6-pentamethyl aquatic toxicity		bacate: ic to aquatic life.





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		nents: 1,2,2,6,6-pentamethyl- aquatic toxicity			itic life with long lasting effects.
		Data on Soil		No data available	
	Other organisms relevant to the environment		:	No data available	
Persistence and degradability					
	-	onents: nexane-1,3-diol: radability	:	Test Type: aerobic Inoculum: Mixture Concentration: 31 Result: Readily bic Biodegradation: 9 Exposure time: 28 Method: OECD Te GLP: yes	.2 mg/l odegradable. 33 %
		ated amine: radability	:	Inoculum: activate Concentration: 10 Result: Inherently Biodegradation: 3 Exposure time: 28 Method: OECD Te Inoculum: Domest Concentration: 30 Result: Not readily	7 mg/l biodegradable. 36 % 3 d est Guideline 302B tic sewage mg/l
				Biodegradation: S Exposure time: 28	9%
		x-1,2-ylenediamine: radability	:	Result: Readily bio Exposure time: 17 Method: OECD Te	
		2,6,6-pentamethyl-4-p radability		Inoculum: Domesi Concentration: 20 Result: Not biodeg Biodegradation: 3 Exposure time: 28	mg/l gradable 38 %
		mical Oxygen d (BOD)	:	No data available	
	Chemic (COD)	al Oxygen Demand	:	No data available	





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	BOD/COD		:	No data available	
	ThOD		:	No data available	
	BOD/T	hOD	:	No data available	
	Dissolv (DOC)	ed organic carbon	:	No data available	
	Physico remova	o-chemical ability	:	No data available	
	Alkoxyl	onents: ated amine: y in water	:	Method: OECD To GLP: yes Remarks: see use	est Guideline 111 er defined free text
		ex-1,2-ylenediamine: y in water	:	Method: No inforr GLP: No informat Remarks: see use	
		2,6,6-pentamethyl-4-p y in water	iper :		ion available.
		1,2,2,6,6-pentamethyl- y in water	-4-p		ion available.
	Compo	onents:			
		ex-1,2-ylenediamine: egradation	:	Rate constant: < . GLP: no	001
	Impact Treatm	on Sewage ent	:	No data available	
	Bioacc	umulative potential			
	titanium	onents: n dioxide: umulation	:		resh water tic test





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	2,2,6,6-pentamethyl-4-pi cumulation		Species: Fish			
			Remarks: Bioad	CCL	umulation is unlikely.	
					factor (BCF): 75.39 umulation is unlikely.	
	/l 1,2,2,6,6-pentamethyl- cumulation	4-p :	Species: Fish		umulation is unlikely.	
					factor (BCF): 75.39 umulation is unlikely.	
Comr	oonents:					
Alkox	ylated amine: on coefficient: n- ol/water	:	log Pow: -2.08 ((25	5 °C)	
	nex-1,2-ylenediamine:					
	Partition coefficient: n- octanol/water		log Pow: < -0.9 pH: 7 Method: OECD GLP: yes		0 °C) est Guideline 107	
bis(1.)	2,2,6,6-pentamethyl-4-pi	per	idvl) sebacate:			
Partiti	on coefficient: n- ol/water		log Pow: 0.37	Т	est Guideline 107	
Mobil	ity in soil					
Mobili	-	:	No data availab	le		
Comr	anonto:					
	oonents: ım dioxide:					
	oution among onmental compartments	:	Remarks: No da	ata	a available	
	ity in soil	:	No data availab	le		
Other	r adverse effects					
	onmental fate and	:	No data availab	le		
	ts of PBT and vPvB sment	:	No data availab	le		
Endoo poten	crine disrupting tial	:	No data availab	le		
	bed organic bound ens (AOX)	:	No data availab	le		



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Hazardous to the ozone layer

Ozone-Depletion Potential		Not applicable
Additional ecological information - Product	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.
Global warming potential (GWP)	:	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	 The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

TDG

Not regulated as dangerous goods

IATA Not regulated as dangerous goods

IMDG Not regulated as dangerous goods

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

Not applicable for product as supplied.

National Regulations

TDG Not regulated as dangerous goods





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SECTION 15. REGULATORY INFORMATION

The components of this product are reported in the following inventories:					
CH INV	:	The formulation contains substances listed on the Swiss Inventory, On the inventory, or in compliance with the inventory			
DSL	:	This product contains one or several components listed in the Canadian NDSL.			
AICS	:	Not in compliance with the inventory			
NZIoC	:	Not in compliance with the inventory			
ENCS	:	Not in compliance with the inventory			
KECI	:	On the inventory, or in compliance with the inventory			
PICCS	:	Not in compliance with the inventory			
IECSC	:	On the inventory, or in compliance with the inventory			
TCSI	:	Not in compliance with the inventory			
TSCA	:	On the inventory, or in compliance with the inventory			

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

Canada. CEPA 1999 Significant New Activity (SNAc) List

No substances are subject to a Significant New Activity Notification.

SECTION 16. OTHER INFORMATION



HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Revision Date

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THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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