SECTION 1. IDENTIFICATION

Product name	:	SILICONE SEALANT ACETOXY Colonial White

Product code : 11109-12-PREM

Manufacturer or supplier's details

Company name of supplier	:	HI-TEC Industries
Address	:	6100 S Fairfax Rd. Bloomington, IN 47401
Telephone	:	(812) 824-8000
Emergency telephone	:	AAPCC: 1(800)222-1222

Recommended use of the chemical and restrictions on use

Recommended use : Adhesive, binding agents

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture. Precautionary Statements : **Prevention:**

P271 Use only outdoors or in a well-ventilated area.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance /	/ Mixture	:	Mixture

Chemical nature : Silicone elastomer

Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
Silicon dioxide	7631-86-9	>= 5 - < 10
Distillates (petroleum), hydrotreated middle	64742-46-7	>= 5 - < 10
Titanium dioxide	13463-67-7	>= 0.1 - < 1
Carbon black	1333-86-4	>= 0.1 - < 1

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SECTION	4. FIRST AID MEAS	JRES					
lf inh	aled		: If inhaled, remove to fresh air. Get medical attention if symptoms occur.				
In ca	In case of skin contact : Wash with water and soap as a precaution. Get medical attention if symptoms occur.		• •				
In ca	se of eye contact	: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.					
lf swa	allowed	bwed : If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.					
	important symptoms effects, both acute and /ed						
Prote	ection of first-aiders	: No special precautions are necessary for first aid responders.					
Notes	s to physician	: Treat symptomatically and supportively.					

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO2)
Unsuitable extinguishing media	: None known.
Specific hazards during fire fighting	: Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	: Carbon oxides Silicon oxides Formaldehyde
Specific extinguishing meth- ods	 Use extinguishing measures that are appropriate to local circumstances 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 fire-fighters	: Wear self-contained breathing apparatus for firefighting if nec- essary. Use personal protective equipment.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	: Follow safe handling advice and personal protective equip- ment recommendations.
Environmental precautions	: Discharge into the environment must be avoided. 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	 Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	: Use only with adequate ventilation.
Advice on safe handling	 Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	: Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	: Do not store with the following product types: Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

-	-			
Ingredients	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	

Silicon dioxide	7631-86-9	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-:
		TWA	6 mg/m3 (Silica)	NIOSH R
Distillates (petroleum), hydrotreated middle	64742-46-7	TWA (Mist)	5 mg/m3	OSHA Z-
		TWA (Mist)	5 mg/m3	OSHA P0
		TWA (Mist)	5 mg/m3	NIOSH R
		ST (Mist)	10 mg/m3	NIOSH R
Titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m3	OSHA Z-
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH
Carbon black	1333-86-4	TWA	3.5 mg/m3	NIOSH R
		TWA	3.5 mg/m3	OSHA Z-
		TWA (Inhal- able fraction)	3 mg/m3	ACGIH
Personal protective equipr Respiratory protection	Minimize wo nent : General and	rkplace exposure local exhaust ver	ntilation is recommend	ded to
	Ensure adeq Minimize wor nent : General and maintain vap concentration unknown, ap Follow OSH/ use NIOSH/I by air purifyir hazardous ch	Iocal exhaust ver or exposures bel ns are above reco propriate respirat A respirator regul MSHA approved ng respirators aga nemical is limited	ntilation is recommended lim ow recommended lim ommended limits or a tory protection should ations (29 CFR 1910. respirators. Protection ainst exposure to any . Use a positive press	ded to its. Where re be worn. 134) and provided sure air
	Ensure adeq Minimize wor nent : General and maintain vap concentration unknown, ap Follow OSH/ use NIOSH/N by air purifyir hazardous ch supplied resp release, expo	Iocal exhaust ver or exposures bel ns are above reco propriate respirat A respirator regul MSHA approved in ng respirators aga nemical is limited birator if there is a posure levels are us where air purify	ntilation is recommended lim ow recommended lim ommended limits or a tory protection should ations (29 CFR 1910. respirators. Protection ainst exposure to any	ded to its. Where re be worn. 134) and provided sure air ntrolled
	Ensure adeq Minimize wor nent : General and maintain vap concentration unknown, ap Follow OSH/ use NIOSH/N by air purifyir hazardous cl supplied resp release, expo circumstance	Iocal exhaust ver or exposures bel ns are above reco propriate respirat A respirator regul MSHA approved in ng respirators aga nemical is limited birator if there is a posure levels are us where air purify	ntilation is recommended lim ow recommended lim tory protection should ations (29 CFR 1910. respirators. Protection ainst exposure to any . Use a positive press any potential for uncor unknown, or any other	ded to its. Where re be worn. 134) and provided sure air ntrolled
Respiratory protection	Ensure adeq Minimize wor nent : General and maintain vap concentration unknown, ap Follow OSH/ use NIOSH/ by air purifyir hazardous cl supplied resp release, expo circumstance adequate pro	Iocal exhaust ver or exposures bel ns are above reco propriate respirat A respirator regul MSHA approved in ng respirators aga nemical is limited birator if there is a posure levels are us where air purify otection.	ntilation is recommended lim ow recommended lim ommended limits or a tory protection should ations (29 CFR 1910. respirators. Protection ainst exposure to any . Use a positive press any potential for uncor unknown, or any other	ded to its. Where re be worn. 134) and provided sure air ntrolled r ot provide
Respiratory protection	Ensure adeq Minimize wor nent : General and maintain vap concentration unknown, ap Follow OSH/ use NIOSH/M by air purifyir hazardous cl supplied resp release, expo circumstance adequate pro	Iocal exhaust ver or exposures bell ns are above recor- propriate respirar A respirator regul MSHA approved in ng respirators again memical is limited pirator if there is a posure levels are us where air purify otection.	ntilation is recommended limits ow recommended limits or a tory protection should ations (29 CFR 1910. respirators. Protection ainst exposure to any . Use a positive press any potential for uncor unknown, or any other ing respirators may no	ded to its. Where re be worn. 134) and provided sure air ntrolled r ot provide
Respiratory protection Hand protection Remarks	Ensure adeq Minimize work anent : General and maintain vap concentration unknown, ap Follow OSH/ use NIOSH/I by air purifyir hazardous ch supplied resp release, expo circumstance adequate pro	Iocal exhaust ver or exposures bell ns are above recor- propriate respirar A respirator regul MSHA approved in ng respirators again memical is limited pirator if there is a posure levels are us where air purify otection.	ntilation is recommended ow recommended limits ownended limits or a tory protection should ations (29 CFR 1910. respirators. Protection ainst exposure to any . Use a positive press any potential for uncor unknown, or any other ing respirators may no and at the end of workd rotective equipment:	ded to its. Where re be worn. 134) and provided sure air ntrolled r ot provide

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		Wash contami These precauti	o not eat, drink or smoke. nated clothing before re-use. ions are for room temperature handling. Use at erature or aerosol/spray applications may re- ecautions.	
ECTION	9. PHYSICAL AND CHE	MICAL PROPERT	IES	
Appea	arance	: paste		
Color		: in accordance	with the product description	
Odor		: Acetic acid		
Odor	Threshold	: No data availa	able	
рН		: Not applicable	3	
Meltin	g point/freezing point	: No data availa	able	
Initial range	boiling point and boiling	: Not applicable)	
Flash	point	: > 100 ℃ Method: close	ed cup	
Evapo	oration rate	: Not applicable		
Flamr	nability (solid, gas)	: Not classified	as a flammability hazard	
Upper	r explosion limit	: No data availa	able	
Lower	r explosion limit	: No data availa	able	
Vapor	pressure	: Not applicable	3	
Relati	ve vapor density	: No data availa	able	
Relati	ve density	: 1.007		
	ility(ies) ter solubility	: No data availa	able	
	on coefficient: n- ol/water	: No data availa	able	
Autoig	gnition temperature :	No data availa	able	
Decor	mposition temperature	: No data availa	able	
Visco	sity			

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Vis	cosity, dynamic	: Not applicable	
Explo	sive properties	: Not explosive	
Oxidizing properties		: The substance	or mixture is not classified as oxidizing.
Molec	cular weight	: No data availab	le

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reac- tions	 Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Acetic acid is formed upon contact with water or humid air. When heated to temperatures above 150 ℃ (300 F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. See OSHA formaldehyde standard, 29 CFR 1910.1048 Hazardous decomposition products will be formed at elevated temperatures.
Conditions to avoid	: None known.
Incompatible materials	: Oxidizing agents
Hazardous decomposition proc Thermal decomposition	

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely route Skin contact Ingestion Eye contact	es of exposure
Acute toxicity Not classified based on avail	ilable information.
Product:	
Acute inhalation toxicity	: Acute toxicity estimate: > 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method

Inaredients: Silicon dioxide:

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Acute	e oral toxicity	 LD50 (Rat): > 3,300 mg/kg Assessment: The substance or mixture has no acute oral tox icity Remarks: Information taken from reference works and the literature.
Acute	inhalation toxicity	 LC50 (Rat): > 2.08 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala- tion toxicity Remarks: Information taken from reference works and the literature.
Acute	e dermal toxicity	 LD50 (Rabbit): > 5,000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: Information taken from reference works and the literature.
	l ates (petroleum), hy e oral toxicity	drotreated middle: : LD50 (Rat): > 5,000 mg/kg
Acute	inhalation toxicity	: LC50 (Rat): 1.78 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute	e dermal toxicity	: LD50 (Rat): > 2,000 mg/kg
	ium dioxide: e oral toxicity	: LD50 (Rat): > 5,000 mg/kg
Acute	inhalation toxicity	: LC50 (Rat): > 6.82 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala- tion toxicity
	on black: e oral toxicity	: LD50 (Rat): > 5,000 mg/kg
Acute	inhalation toxicity	: LC50 (Rat): > 0.0046 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhala- tion toxicity

Skin corrosion/irritation

Not classified based on available information.

Ingredients:

Silicon dioxide: Result: No skin irritation

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Remarks: Information taken from reference works and the literature.

Titanium dioxide:

Species: Rabbit Result: No skin irritation

Carbon black: Species: Rabbit Result: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Ingredients:

Silicon dioxide: Result: No eye irritation Remarks: Information taken from reference works and the literature.

Titanium dioxide:

Species: Rabbit Result: No eye irritation

Carbon black:

Species: Rabbit Result: No eye irritation

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information. Respiratory sensitization: Not classified based on available information.

Ingredients:

Silicon dioxide: Assessment: Does not cause skin sensitization.

Test Type: Skin: test type not specified Species: Guinea pig Remarks: No known sensitising effect. Information taken from reference works and the literature.

Titanium dioxide:

Test Type: Local lymph node assay (LLNA) Routes of exposure: Skin contact Species: Mouse Result: negative

Carbon black:

Test Type: Buehler Test Routes of exposure: Skin contact Species: Guinea pig Method: OECD Test Guideline 406 Result: negative

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Germ	n cell mutagenicity		
Not c	lassified based on availa	ble information.	
Silico	edients: on dioxide: otoxicity in vitro	: Result: negative Remarks: Inform literature.	ation taken from reference works and the
Geno	otoxicity in vivo	: Application Rout Result: negative Remarks: Inform literature.	e: Ingestion ation taken from reference works and the
	n cell mutagenicity - ssment	: Animal testing di	d not show any mutagenic effects.
	ium dioxide: otoxicity in vitro	: Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
Geno	otoxicity in vivo	: Test Type: In viv Species: Mouse Result: negative	o micronucleus test
	on black: otoxicity in vitro	: Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
Carc	inogenicity		
	lassified based on availa	ble information.	
Titan Spec Appli Expo Metho Resu Rema The s		e 453 mode of action may n	ot be relevant in humans. and therefore does not contribute to a dust
Carci ment	nogenicity - Assess-	: Limited evidence animals.	of carcinogenicity in inhalation studies with
Spec Applie Expo Resu Targe	on black: ies: Rat cation Route: Inhalation sure time: 2 Years It: positive et Organs: Lungs arks: The substance is ir	extricably bound in the	e product and therefore does not contribute

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to a d	ust inhalation hazard.				
Carcinogenicity - Assess- ment		: Sufficient evidence of carcinogenicity in inhalation studies with animals			
IARC		Group 2B: Possibly carcinogenic to humans			
		Titanium dioxide		13463-67-7	
		Carbon black		1333-86-4	
OSH	Α	No ingredient of this product present at levels greater the equal to 0.1% is identified as a carcinogen or potential of gen by OSHA.			
NTP		No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinog by NTP.			

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Inaredients:

Carbon black:

Routes of exposure: inhalation (dust/mist/fume) Assessment: No significant health effects observed in animals at concentrations of 0.2 mg/l/6h/d or less.

Repeated dose toxicity

Ingredients:

Titanium dioxide: Species: Rat NOAEL: 24,000 mg/kg Application Route: Ingesti

Application Route: Ingestion Exposure time: 28 d

Species: Rat NOAEL: 10 mg/m3 Application Route: inhalation (dust/mist/fume) Exposure time: 2 y Remarks: The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation hazard.

Carbon black:

Species: Rat NOAEL: 1 mg/m3

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LOAEL: 7 mg/m3 Application Route: Inhalation Test atmosphere: dust/mist Exposure time: 90 d Remarks: The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation hazard.

Aspiration toxicity

Not classified based on available information.

Ingredients:

Distillates (petroleum), hydrotreated middle:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

<u>Ingredients:</u> Titanium dioxide:	
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
Toxicity to algae	: EC50 (Skeletonema costatum (marine diatom)): > 10,000 mg/l Exposure time: 72 h
Toxicity to bacteria	: EC50: > 1,000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Carbon black:	
Toxicity to fish	: LC0 (Danio rerio (zebra fish)): 1,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 5,600 mg/l Exposure time: 24 h Method: OECD Test Guideline 202
Toxicity to algae	 NOEC (Desmodesmus subspicatus (green algae)): 10,000 mg/l Exposure time: 72 h Method: OECD Test Guideline 201

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	istence and degradal ata available	bility	
Bioa	ccumulative potentia	I	
	ata available lity in soil		
	ata available		
	r adverse effects ata available		

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal	methods
----------	---------

Resource Conservation and Recovery Act (RCRA)	: This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarde in its purchased form.	d
Waste from residues	: Dispose of in accordance with local regulations.	
Contaminated packaging	: Dispose of as unused product. Empty containers should be taken to an approved waste han dling site for recycling or disposal.	-

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Ingredients	CAS-No.	Component RQ	Calculated product RQ
-------------	---------	--------------	-----------------------

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		(lbs)	(lbs)
Acetic acid	64-19-7	5000	*
Acetic anhydride	108-24-7	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
10,10-Oxydiphenoxarsine	58-36-6	500	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards	: No SARA Hazards
SARA 302	: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

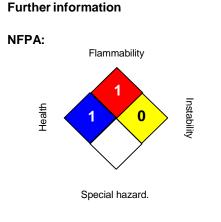
US State Regulations

Pennsylvania l	Right To Know			
	Dimethyl siloxan	e, hydroxy-terminated	70131-67-8	70 - 90 %
	Silicon dioxide		7631-86-9	5 - 10 %
	Distillates (petrol	leum), hydrotreated middle	64742-46-7	5 - 10 %
	Aluminium		7429-90-5	0 - 0.1 %
	Acetic acid		64-19-7	0 - 0.1 %
	Acetic anhydride	•	108-24-7	0 - 0.1 %
New Jersey Ri	ght To Know			
	Dimethyl siloxan	e, hydroxy-terminated	70131-67-8	70 - 90 %
	Silicon dioxide		7631-86-9	5 - 10 %
	Distillates (petrol	leum), hydrotreated middle	64742-46-7	5 - 10 %
	Dimethyl siloxane, trimethylsiloxy-terminated		63148-62-9	1 - 5 %
	Carbon black		1333-86-4	0.1 - 1 %
California Prop	o 65	WARNING! This product co State of California to cause		known in the
	Cobalt titanite gr	een spinel	68186-85-6	
The ingredients of this product are reported in the following inventories: AICS : All ingredients listed or exempt.				
IECSC	:	All ingredients listed or exer	npt.	
PICCS	:	All ingredients listed or exer	npt.	
REACH	H : Consult your local Dow Co		ning office.	

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TSCA	A		stances in this material are included on or listing on the TSCA Inventory of Chemical
Inver	ntories		
			EACH (European Union), ENCS (Japan),), PICCS (Philippines), TCSI (Taiwan), TSCA

y, l л), PI 5 (Philippines), TC SI (Tai п), (USA)

SECTION 16. OTHER INFORMATION



HMIS III:



0 = not significant, 1 =Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic

Full text of other abbreviations

ACGIH NIOSH REL OSHA P0	:	USA. ACGIH Threshold Limit Values (TLV) USA. NIOSH Recommended Exposure Limits USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average
OSHA Z-3 / TWA	:	8-hour time weighted average
Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/

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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.

US / Z8