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SECTION 1. IDENTIFICATION

Product name	: HOMBITAN® LO-CR-S-M W/O SI
Manufacturer or supplier's de	etails
Company name of supplier Address	 Venator Americas LLC 10001 Woodloch Forest Drive The Woodlands, TX 77380 United States of America (USA)
Telephone Telefax	: (001) 844 831 6720 : (001) 281 465 6731
E-mail address of person responsible for the SDS	: msds@venatorcorp.com
Emergency telephone number	: USA & Canada: +1-800-424-9300 Other Americas: +1-703- 741-5970 [CCN 820025]
Recommended use of the che	emical and restrictions on use
Recommended use	: Rubber products Paint Manufacture of plastics products Colouring agents, pigments Opacifying agent
Restrictions on use	: Do not use for cosmetics, food additives, drug additives, feed additives or permanent implant applications., Due to lack of related experience or data, the supplier cannot approve this use.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Substance

Chemical nature : inorganic



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Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
titanium dioxide	13463-67-7	90 - 100
aluminium oxide	1344-28-1	1 - 5

The specific chemical identity and/or exact percentage (concentration) of composition may be withheld as a trade secret.

Contains no hazardous ingredients according to GHS

SECTION 4. FIRST AID MEASURES

General advice	:	Do not leave the victim unattended. Treat symptomatically.
lf inhaled	:	Remove person to fresh air. If signs/symptoms continue, get medical attention. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	:	Wash off with soap and water.
In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Rinse mouth with water. If conscious, make the victim drink the following: Give small amounts of water to drink. Do not induce vomiting without medical advice. Consult a physician if necessary.
Most important symptoms and effects, both acute and delayed	:	Dust contact with the eyes can lead to mechanical irritation. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. The product is not irritant but as with all fine powders can absorb moisture and natural oils from the surface of the skin during prolonged exposure. Individuals with sensitive skin may experience skin drying on prolonged or repeated exposure.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.
Notes to physician	:	No specific measures identified.

SECTION 5. FIREFIGHTING MEASURES



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	Suitabl	e extinguishing media	:	Product is compare	ible with standard fire-fighting agents.
	Unsuita media	able extinguishing	:	High volume wate	r jet
	Specifi firefight	c hazards during ing	:	No information av	ailable.
	Hazard product	ous combustion	:	No hazardous coi	nbustion products are known
	Specific method	c extinguishing Is	:	Cool containers/ta	inks with water spray.
	Further	information	:	Use extinguishing circumstances an	re for chemical fires. measures that are appropriate to local d the surrounding environment. taken involving any personal risk or without
	Specia for firefi	l protective equipment ighters	:	Wear self-contain necessary.	ed breathing apparatus for firefighting if

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	No action shall be taken involving any personal risk or without suitable training. Prevent unauthorised persons entering the zone. Avoid dust formation. Remove all sources of ignition. Ventilate the area. Avoid breathing dust. Keep people away from and upwind of spill/leak. Only qualified personnel equipped with suitable protective equipment may intervene. Never return spills in original containers for re-use. Treat recovered material as described in the section "Disposal considerations". For disposal considerations see section 13. The danger areas must be delimited and identified using relevant warning and safety signs.
Environmental precautions	:	Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Clean-up methods - small spillage Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.
		Clean-up methods - large spillage Approach release from upwind.



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Clean up promptly by sweeping or vacuum. Avoid creating dusty conditions and prevent wind dispersal. 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	:	Use only with adequate ventilation.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	 For personal protection see section 8. Avoid creating dust. Smoking, eating and drinking should be prohibited in the application area. Manual handling guidelines should be adhered to when handling sacks. In the manufacture of titanium dioxide, product is packaged at temperatures of approximately 100 to 120° C (212 to 248° Fahrenheit). When pigment is shipped shortly after
		 manufacture, it may stay hot for a very long time depending on ambient temperatures and inventory storage practices. Due to the potential of elevated pigment temperature, caution should be used while handling pigment and in solvent applications. Each work environment must be assessed to determine hazards. Emptying of flexible intermediate bulk containers (FIBC's) can generate static electricity. Customers using FIBC's should consult leaflet "Tiotainer® Handling Guidelines". Empty FIBC's by gravity only (do not empty pneumatically). Remove all wrapping prior to emptying FIBC's. In all cases, the protective cover or wrapping should remain in place during storage and only be removed immediately prior to use. Care should be taken to avoid moisture, particularly with a partly used pallet of material. When transferring from one container to another apply earthing measures and use conductive hose material.
Conditions for safe storage	:	 Store in accordance with the particular national regulations. Keep only in the original container in a cool, well ventilated place away from oxidizing agents. Keep in a dry place. Keep cool. Protect from sunlight. Eliminate all ignition sources if safe to do so. Keep container closed when not in use. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Use appropriate container to avoid environmental contamination. When using standard pallets, those containing paper or plastics bags can be stacked to a maximum of 2 high.



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Mater	rials to avoid	: No materials to	be especially mentioned.
	er information on ge stability	: Keep in a dry p	place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
titanium dioxide	13463-67-7	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH
aluminium oxide	1344-28-1	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Respirable fraction)	1 mg/m3 (Aluminium)	ACGIH

Engineering measures

: Ensure adequate ventilation, especially in confined areas. Use engineering controls to keep exposures below the OEL or DNEL

Personal protective equipment

Respiratory protection	:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Filter type	:	P2 filter
Hand protection Directive	:	Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US).
Eye protection	:	Safety eyewear complying with an approved standard should



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		to avoid expos	a risk assessment indicates this is necessary sure to liquid splashes, mists or dusts. rewash stations and safety showers are close tion location.
Skin	and body protection	selected based	ective equipment for the body should be d on the task being performed and the risks should be approved by a specialist before product.
Prote	ective measures	: Wear suitable	protective equipment.
Hygie	ene measures	practice. Smoking, eatir application are Wash face, ha handling. Remove conta before entering Barrier creams skin, they shou occurred.	brdance with good industrial hygiene and safety ng and drinking should be prohibited in the ea. Inds and any exposed skin thoroughly after uminated clothing and protective equipment g eating areas. Is may help to protect the exposed areas of uld however not be applied once exposure has before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: powder	
Colour	: white	
Odour	: none	
Odour Threshold	: Not relevant	
рН	: 7.5 - 8.5	
Melting point/range	: >1,800 °C	
Boiling point/boiling range	: Not applicable	
Flash point	: Not applicable	
Evaporation rate	: No data is available on the product itself.	
Flammability (solid, gas)	: The product is not flammable.	
Flammability (liquids)	: No data is available on the product itself.	
Upper explosion limit / Upper flammability limit	: No data is available on the product itself.	
Lower explosion limit / Lower	: No data is available on the product itself.	

SAFETY DATA SHEET



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flamm	nability limit			
Vapou	ur pressure	:	Not applicable	
Relati	ve vapour density	:	No data is availa	able on the product itself.
Relati	ve density	:	No data is availa	able on the product itself.
Densi	ty	:	ca. 3.9 g/cm3 (2 Skeletal density	20 °C)
	ility(ies) ater solubility	:	< 0.01 g/l (20 °	C)
Sol	lubility in other solvents	:	No data is availa	able on the product itself.
	ion coefficient: n- ol/water	:	Not applicable	
	ignition temperature	:	The product itself	f does not burn.
Therm	nal decomposition	:	No data is availa	able on the product itself.
	Accelerating nposition temperature T)	:	No data is availa	able on the product itself.
Visco Visc	sity cosity, kinematic	:	Not applicable	
Explo	sive properties	:	Not explosive	
Oxidiz	zing properties	:	The substance	or mixture is not classified as oxidizing.
Molec	eular weight	:	Calculation met	hod 79.88 g/mol
Partic	le size	:	No data is availa	able 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. No decomposition if stored and applied as directed. Stable under recommended storage conditions. No hazards to be specially mentioned.
Conditions to avoid	:	No data available
Incompatible materials	:	None known.
Hazardous decomposition products	:	At high temperature, decomposition products could include trace of alpha-ethyl acrolein and formaldehyde.

SECTION 11. TOXICOLOGICAL INFORMATION



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	rmation on likely routes of osure	: No data is avail	able on the product itself.
Acu	ite toxicity		
<u>Con</u>	nponents:		
Acu	nium dioxide: ite oral cityComponents	Method: OECD	ale): > 5,000 mg/kg Test Guideline 425 he substance or mixture has no acute oral
Acu	ninium oxide: ite oral cityComponents		e and female): > 10,000 mg/kg Test Guideline 401
Con	nponents:		
titar	nium dioxide: ite inhalation toxicity	Exposure time: Test atmospher Method: OECD	re: dust/mist Test Guideline 403 ne substance or mixture has no acute
	ninium oxide: ite inhalation toxicity	Exposure time: Test atmospher Method: OECD	re: dust/mist Test Guideline 403 ne substance or mixture has no acute
•			
titar	nponents: nium dioxide : ite dermal toxicity	: LD50 Dermal (F	Rabbit): > 10,000 mg/kg
	ite toxicity (other routes of ninistration)	: No data availab	le
Skii	n corrosion/irritation		
titar Spe Ass Met	nponents: nium dioxide: ecies: Rabbit essment: No skin irritation hod: OECD Test Guideline sult: Normally reversible inju		

aluminium oxide:



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Species: Rabbit Assessment: No skin irritation Method: OECD Test Guideline 404 Result: No skin irritation

Serious eye damage/eye irritation

Components:

titanium dioxide: Species: Rabbit Result: Normally reversible injuries Assessment: No eye irritation Method: OECD Test Guideline 405

aluminium oxide: Species: Rabbit Result: No eye irritation Assessment: No eye irritation Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Components:

titanium dioxide: Test Type: Local lymph node assay (LLNA) Exposure routes: Skin Species: Mouse Assessment: Does not cause skin sensitisation. Method: OECD Test Guideline 429 Result: Does not cause skin sensitisation.

Exposure routes: Skin Species: Guinea pig Assessment: Does not cause skin sensitisation. Method: OECD Test Guideline 406 Result: Does not cause skin sensitisation.

aluminium oxide: Exposure routes: Skin Species: Guinea pig Result: Does not cause skin sensitisation.

Components:

titanium dioxide: Assessment:

No skin irritation, No eye irritation Does not cause skin sensitisation., Does not cause respiratory sensitisation.

Germ cell mutagenicity

Components:

titanium dioxide:	
Genotoxicity in vitro	: Test Type: Ames test
	Concentration: 100 - 200 ug/plate
	Metabolic activation: with and without metabolic activation



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		Method: OEC Result: negati	D Test Guideline 471 ve
		Concentration Metabolic acti	vitro mammalian cell gene mutation test : 31 - 500 μg/L vation: with and without metabolic activation D Test Guideline 476 ve
		Concentration Metabolic acti	rromosome aberration test in vitro : 125 - 2500 μg/L vation: with and without metabolic activation D Test Guideline 473 ve
Com	<u>oonents:</u>		
titaniu	im dioxide: toxicity in vivo	Species: Mou Application Ro Exposure time Dose: 0.8, 7.2	bute: Inhalation e: 5 consecutive days e, and 28.5 mg/m ³ D Test Guideline 474
		Species: Rat Application Ro Exposure time Dose: 500, 10	e: once 00, and 2000 mg/kg bw D Test Guideline 474
Com	oonents:		
Germ	Im dioxide: cell mutagenicity- ssment		erial or mammalian cell cultures did not show ects., Animal testing did not show any mutagenic
	cell mutagenicity- ssment	: No data availa	ble
Carci	nogenicity		
	<u>oonents:</u>		
titaniu Speci Applie Expo Dose Frequ	im dioxide: ies: Rat, (male and fen cation Route: Oral sure time: 103 weeks : 0, 25000, 50000 ppm iency of Treatment: 7 o EL: > 50.000 ppm		

Method: No information available.



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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)."

Venator 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.

<u>Components:</u> titanium dioxide:					
Carcinogenicity - Assessment	: Not classifiable as a human carcinogen.				
IARC	Group 2B: Possibly carcinogenic to humans				
	titanium dioxide				
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.				
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.				
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.				
Reproductive toxicity					
Components:					
aluminium oxide: Effects on fertility	 Species: Rat, male and female Application Route: Oral Dose: 1000 milligram per kilogram Method: OECD Test Guideline 422 Result: Animal testing did not show any effects on fertility. 				
Components: titanium dioxide: Effects on foetal development	 Species: Rat, male and female Application Route: Oral Dose: 100, 300, and 1000 mg/kg bw/ Duration of Single Treatment: 20 d Frequency of Treatment: 7 days/week General Toxicity Maternal: No observed adverse effect level: 1,000 mg/kg body weight Developmental Toxicity: No observed adverse effect level: 1,000 mg/kg body weight Method: OECD Test Guideline 414 Result: No adverse effects 				



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aluminium oxide:

Species: Rat Application Route: Oral General Toxicity Maternal: No observed adverse effect level: 266 mg/kg body weight Method: OECD Test Guideline 414 Result: No teratogenic effects

Components:

titanium dioxide:				
Reproductive toxicity -	:	No evidence of adverse effects on sexual function and fertility,		
Assessment		or on development, based on animal experiments.		

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Repeated dose toxicity

Components:

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

Components:

titanium dioxide: Repeated dose toxicity -Assessment

: No skin irritation, No eye irritation No adverse effect has been observed in chronic toxicity tests.

Aspiration toxicity

No data available

Experience with human exposure

General Information: No data available



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	Inhalation:		No data available	
	Skin co	ntact:	No data available	
	Eye contact:		No data available	
	Ingestio	n:	No data available	
	Toxicology, Metabolism No data available		n, Distribution	
	Neurological effects No data available			
	Further Ingestio	r information	No data available	

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	
<u>Components:</u>	
titanium dioxide:	
Toxicity to fish	: LC50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l
	Exposure time: 96 h
	Test Type: semi-static test Test substance: Marine water
	Method: OECD Test Guideline 203
aluminium oxide: Toxicity to fish	: LC50 (Fish): > 50 mg/l
	Exposure time: 96 h
	Test Type: static test
	Test substance: Fresh water
<u>Components:</u>	
aluminium oxide:	
	: EC50 (Daphnia magna (Water flea)): > 100 mg/l
aquatic invertebrates	Exposure time: 48 h
Components:	
components.	

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aluminium oxide:



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Toxicity	/ to algae	:	IC50 (Selenastrur Exposure time: 7	m capricornutum (green algae)): > 100 mg 2 h
M-Factor toxicity	or (Acute aquatic)	:	No data available	
Toxicity toxicity	/ to fish (Chronic)	:	No data available	
aquatic	v to daphnia and other invertebrates c toxicity)	:	No data available	
M-Factor toxicity	or (Chronic aquatic)	:	No data available	
Toxicity	to microorganisms	:	No data available	
Toxicity organis	/ to soil dwelling ms	:	No data available	
<u>Compo</u> titanium Plant to	n dioxide:	:	NOEC: 100,000 r Exposure time: 4	
	pnents: n dioxide: ent toxicity	:	(Gammarus pule Study: Acute Test Type: semi- Water: Fresh wat Exposure duration Method: ASTM M	er n: 28 d
			(Gammarus pule Study: Chronic Test Type: semi- Water: Fresh wat Exposure duration Method: ASTM M	er n: 28 d
			(Gammarus pule Study: Acute Test Type: semi- Water: Marine wa Exposure duration	ater
	n dioxide: / to terrestrial	:	NOEC: 10,000 m Exposure time: 6	
-	ms icology Assessment		Exposure time: 6	72 h



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<u>Comp</u>	oonents:		
	nium oxide: aquatic toxicity	: This product h	as no known ecotoxicological effects.
<u>Comp</u>	oonents:		
	nium oxide: ic aquatic toxicity	: This product h	as no known ecotoxicological effects.
Toxici	ty Data on Soil	: No data availa	ble
	organisms relevant to wironment	: No data availa	ble
Persis	stence and degradabil	ity	
	gradability - Product	: Remarks: The	methods for determining biodegradability ar to inorganic substances.
	emical Oxygen nd (BOD)	: No data availa	ble
Chem (COD)	ical Oxygen Demand)	: No data availa	ble
BOD/	COD	: No data availa	ble
ThOD		: No data availa	ble
BOD/	ThOD	: No data availa	ble
Disso (DOC)	Ived organic carbon)	: No data availa	ble
	co-chemical ability	: No data availa	ble
Stabil	ity in water	: No data availa	ble
Photo	degradation	: No data availa	ble
Impac Treatr	et on Sewage nent	: No data availa	ble
Bioac	cumulative potential		
<u>Comp</u> titaniu	oonents: m dioxide: cumulation	Bioconcentrati Exposure time Test substanc Method: semi-	e: Fresh water



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	ion coefficient: n- ol/water - Product	:	Remarks: Not app	licable
	lity in soil			
Mobil	lity	:	No data available	
<u>Com</u>	ponents:			
Distri	um dioxide: bution among onmental compartments	:	Remarks: No data	a available
	lity in soil	:	No data available	
Othe	r adverse effects			
Enviro pathv	onmental fate and vays	:	No data available	
	Its of PBT and vPvB ssment	:	No data available	
Endo poten	crine disrupting tial	:	No data available	
	rbed organic bound lens (AOX)	:	No data available	
Haza	rdous to the ozone laye	ər		
	e-Depletion Potential	:	Protection of Stra Substances Remarks: This pro manufactured with	R Protection of Environment; Part 82 tospheric Ozone - CAA Section 602 Class I oduct neither contains, nor was n a Class I or Class II ODS as defined by the t Section 602 (40 CFR 82, Subpt. A, App.A +
	ional ecological	:	No data available	
	nation - Product al warming potential ^{>})	:	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. This material and its container must be disposed of in a safe way.
	In accordance with local and national regulations. Dispose of wastes in an approved waste disposal facility. If recycling is not practicable, dispose of in compliance with local regulations.



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Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

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

DOT Classification Not regulated as dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards	:	No SARA Hazards
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.

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

California Prop. 65

WARNING! This product contains a chemical known to the State of California to cause cancer. Titanium dioxide (airborne, unbound particles of respirable size) is known to the state of California to cause cancer. This listing does not cover titanium dioxide when it remains bound within a product matrix.

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

CH INV :	On the inventory, or in compliance with the inventory
DSL :	All components of this product are on the Canadian DSL
AICS :	Not in compliance with the inventory
NZIOC :	Not in compliance with the inventory
ENCS :	On the inventory, or in compliance with the inventory



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KECI PICCS IECSC TCSI TSCA		: On the inventory, : On the inventory, : On the inventory,	or in compliance with 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)

TSCA - 5(a) Significant New Use Rule List of Chemicals

No substances are subject to a Significant New Use Rule.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION



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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Sources of key data used to compile the Safety Data Sheet	:	Information taken from reference works and the literature., Information derived from practical experience.
Revision Date	:	03/14/2018
ACGIH OSHA Z-1		USA. ACGIH Threshold Limit Values (TLV) USA. Occupational Exposure Limits (OSHA) - Table Z-1



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		Limits for Air Contaminants
ACGIH / TWA	:	8-hour, time-weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average

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.

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