





Product name: Filter aid, Celite® 503

(Contd. of page 1) Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special freatment needed No further relevant information available. 5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Product is not flammable. Use fire-fighting measures that suit the surrounding fire. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Silicon oxide Advice for furfiefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information. 7 Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Prevent formation of dust. Information about protection against explosions and fires: The product is not flammable Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: No special requirements Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available. 8 Exposure controls/personal protection Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Control parameters Components with limit values that require monitoring at the workplace: Silica, amorphous-diatomaceous earth ACGIH TLV 10 (inhalable particulate) (respirable particulate) 4 (inhalable fraction of the aerosol) 1.5 3 Germany TWA United Kingdom TWA 1.2 (respirable dust) USA PEL 20 mppcf Silica, amorphous Incla, anothorson mg/m3 Ireland TWA 3 (respirable); 6 (total inhalable) United Kingdom TWA 2.4 (respirable); 6 (total inhalable) Silica, amorphous-fused ACGIH TLV 0.1 (respirable particulate) Finland TWA 5 0.3 (respirable fraction of the aerosol) Germany TWA Ireland TWA 0.1 United Kingdom TWA 0.1 (respirable) /A 0.3 (respirable dust) Silica, amorphous-fume mg/m3 n ACGIH TLV Germany TWA 2 (respirable particulate) 0.3 (respirable fraction of the aerosol) Silica, amorphous-precipitated and gel Silica, amorphous process mg/m3 ACGIH TLV 10 (inhalable particulate) Cermany TWA 4 (inhalable fraction of the aerosol) Silica, crystalline-quartz ACGIH TLV 0.1 Austria MAK 0.15

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roduct name: Fliter ald, Celite® 503	
Detriver TMA	(Contd. of page 2)
Belgium TWA 0.1 Finland TWA 0.2	
France VME 10/(X+2)	
Germany MAK 0.15 Korea TLV 0.1	
Netherlands MAC-TGG 0.075	
Norway TWA 0.3 (total dust)	
0.1 (resp. dust) Russia 14-STEL	
Sweden NGV 0.1 (resp. dust)	
Switzerland MAK-W 0.15 United Kingdom TWA 0.3 (respirable)	
USA PEL 10/(% resp. SiO2+2) 30/(% SiO2+2) (total sust)	
Silica, crystalline-tridymite and cristobalite ACGIH TLV 0.05 (respirable particulate)	mg/m3
ACGIH TLV 0.05 (respirable particulate) Belgium TWA 0.05	
Denmark TWA 0.05	
Finland TWA 0.1 France TWA 10	
Germany TWA 0.15 (respirable fraction of the	he aerosol)
Ireland TWA 0.4 (respirable) Netherlands TWA 0.075 (respirable)	
Sweden TWA 0.05	
Switzerland TWA 0.15 USA PEL 0.5 (value calculated for guartz	-regnirable dust)
Silica, crystalline-tripoli mg/m3	
ACGIH TLV 0.1 (of contained respirable qu	uartz)
Belgium TWA 0.1 Germany TWA 0.15 (respirable fraction of ti	
Ireland TWA 0.4 (respirable)	
USA PEL See quartz	
61790-53-2 Celite (100.0%) PEL (USA) 20mppcf or 80mg/m3 /%SiO2	
REL (USA) Long-term value: 6 mg/m ³	
See Pocket Guide App. C	
TLV (USA) TLV withdrawn	
EL (Canada) Long-term value: 4* 1.5** mg/m ³ *total, **respirable	
EV (Canada) Long-term value: 10* 3** mg/m ³	
uncălcined; *inhalable;**respirable	
Additional information: No data	
Exposure controls Personal protective equipment	
Personal protective equipment General protective and hygienic measures	
The usual precautionary measures for handling ch Keep away from foodstuffs, beverages and feed.	emicals should be followed.
Remove all solled and contaminated clothing imme	ediatelv.
Wash hands before breaks and at the end of work.	
Avoid contact with the eyes. Avoid contact with the eyes and skin.	
Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working en	vironment.
Breathing equipment: Use suitable respirator who Protection of hands:	en high concentrations are present.
Impervious gloves	
Check protective gloves prior to each use for their The selection of suitable gloves not only depends	proper condition. on the material, but also on quality. Quality will vary from manufacturer to manufacturer.
Penetration time of glove material (in minutes)	Not determined
Eye protection: Safety glasses Body protection: Protective work clothing.	
9 Physical and chemical properties	
Information on basic physical and chemical pro	perties
General Information Appearance:	
Form: Powder	
Color: White Odor: Not deter	in a d
Odor: Not deter Odor threshold: Not deter	
pH-value: Not appli	
Change in condition	
Melting point/Melting range: Not deter	
Boiling point/Boiling range: Not deter Sublimation temperature / start: Not deter	
Flash point: Not appli	
Flammability (solid, gaseous) Not deter	mined.
Ignition temperature: Not deter Decomposition temperature: Not deter	
Auto igniting: Not deter	
Danger of explosion: Product of	loes not present an explosion hazard.
Explosion limits:	
Lower: Not deter Upper: Not deter	
	mined
Vapor pressure: Not appli	cable.
Vapor pressure: Not appli Density: Not deter	cable. mined
Vapor pressure: Not appli	cable. mined

Product name: Filter aid, Celite® 50	3	Reviewed off 12/01/2006
		(Contd. of page 3)
Vapor density Evaporation rate Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water, Viscosity: dynamic: kinematic: Other information	Not applicable. Not applicable. Not determined Not determined. Not applicable. Not applicable. No further relevant information ave	
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recom Thermal decomposition / conditions Possibility of hazardous reactions No Conditions to avoid No further relevar Incompatible materials: Oxidizing age Hazardous decomposition products:	o dangerous reactions known t information available. nts	not occur if used and stored according to specifications.
crystalline silica have shown carcinoger forms. Amorphous silica may, however	e irritation rious eye irritation. own. own. - repeated exposure: No effects k - single exposure: May cause resp ets known. e silicosis, the formation of adhesior uberculosis is often found in people nic, tumorigenic and neoplastic effec , contain small amounts of crystallin	piratory irritation. In the lungs progressing to the formation of a continuous mass of fibrous tissue. If the with silicosis. Some forms of silica are more fibrogenic than others. Some forms of ts in laboratory animals. Amorphous silica is less harmful by inhalation than crystalline
12 Ecological information Toxicity Aquatic toxicity: No further relevant in Persistence and degradability No furth Bioaccumulative potential No further Mobility in soil No further relevant info Additional ecological information: General notes: Do not allow material to be released to Do not allow undiluted product or large Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant	her relevant information available. relevant information available. rmation available. the environment without proper gove quantities to reach ground water, wa t	ernmental permits. ater course or sewage system.
13 Disposal considerations Waste treatment methods Recommendation Consult state, local Uncleaned packagings: Recommendation: Disposal must be n	6	
14 Transport information Not a hazardous material for transporta	tion	
UN-Number DOT, IMDG, IATA		None
UN proper shipping name DOT, IMDG, IATA		None
Transport hazard class(es) DOT, ADR, IMDG, IATA Class		None
Packing group DOT, IMDG, IATA		None
Environmental hazards:		Not applicable.
Special precautions for user		Not applicable.
Transport in bulk according to Annex Transport/Additional information:	(II of MARPOL73/78 and the IBC (Code Not applicable. Not dangerous according to the above specifications.
DOT Marine Pollutant (DOT):		No

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 5 Regulatory information Safety, health and environmental regulations Aggistation specific for the substance or mixture GRS States learners The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Maxad pictorgrams Weiner Sterner States and Stat		(Contd. of page
GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Weard pictograms Weard pictograms Weard pictograms Weard pictograms GHS07 GHS08 Signal word Warning Histard statements Pictograms Vest Support Pictograms Pictograms Pictograms Vest Support Pictograms Pictograms Pictogre	Regulatory information	
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Hizard statements Hizard statements Hizard statements Hill Causses serious ever initiation. Hill Causses and Causses and Causses and Causses and Hill Ca	GHS07 GHS08	
H351 Suspected of causing cancer. H335 May cause respiratory initiation. Proceedings of the end of	Hazard statements	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective goupment as required. P200+P351+P338 FINE PSS: Rins callboalsy with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P300+P351+P338 FINE PSS: Rins callboalsy with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P300+P351+P338 FINE PSS: Rins callboalsy with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P300+P351+P338 FINE PSS: Rins callboalsy with water for several minutes. All components of this product are listed on the Canadalan Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. P305 Chemicals known to cause cancer Substance is not listed. P305 Developmental toxicity, male Substance is not listed. P406 Developmental toxicity. The Psychia data Annex XVII of the Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on taraket and use must be o	H351 Suspected of causing cancer. H335 May cause respiratory irritation.	
 <i>P231</i>, <i>P35</i>, <i>P332</i> bit NETES: Rinse calculosity with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <i>P331</i>, <i>P332</i> bit NETES: Rinse calculosity with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <i>P331</i>, <i>P332</i> bit NETES: Rinse calculosity with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <i>P331</i>, <i>P332</i> bit NETES: Rinse calculosity with water for several minutes. Several minutes. Control Act Chemical substance Inventory. All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. <i>SARA</i> Section 313 (specific toxic chemical listings) Substance is not listed. <i>Parop 65</i> Chemicals known to cause cancer Substance is not listed. <i>Prop 65</i> Developmental toxicity Substance is not listed. <i>Prop 65</i> Developmental toxicity in the Substance is not listed. <i>Prop 65</i> Developmental toxicity (NHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. <i>The conditions of restrictions according to Article 67 and Annex XVI of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on t market and use must be observed.</i> <i>Substance is not listed</i>. <i>Annex XIV of the REACH Regulation for use Substance is not listed.</i> <i>Chemical safety assessment: A Chemical Safety Assessment has not been carried out.</i> <i>Other Information</i> <i>Environmentent of employees and the and safety of employees.</i> This information is furnished without warring, and any use of the product not information spatrament by themployees and by themployees and the manufacturing, and any use of the product not information or essure proper use and protect the helf that and safety of employees. This information is furnished without warring, and any used the product no	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eve protection/face protection.	
P501 Dispose of cohients/container in accordance with local/regional/national/international regulations. Mational regulations All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. All components of this product are listed on the Canadian Non-Domestic Substances Control Act Chemical substance Inventory. SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Information about Imitiation of use: For use only by technically qualified individuals. Substance of the Synthese Control Act Chemical Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No. 1907/2006 (REACH) for the manufacturing, placing on t market and use must be observed. Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. Substance is not listed. The conditions of restrictions according to article 47 and safety of employees. This information is furnished without warranty, and any use of the product not is information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product on i conformation down this and therial Safety 1051- Department is suiting SDS: Global Marketing Department Department is using SDS: Global Marketing Department Department is using SDS: Global Marketing Department Department is using Coordinate on thermation Association (IATA) Definent Department (IVA) (Staterial Safety Association (IATA) Definent Department (State Strinke (IVA)) Definent Department (IVA) Definent Dep	P281 Use personal protective equipment as required. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rin P405 Store locked up.	nsing.
All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. All components of this product are listed on the C.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. All components of this product are listed on the C.S. Environmental Proposition of 5 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance is not listed. The standard toxic of the probability of the REACH Regulations (EC) No. 1907/2006, Substance is not listed. The standard toxic of the standard toxic of the standard toxic of the standard toxic of the manufacturing, placing on to market and use must to observed. Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 30 Cher information Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not it conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. Department issuing SDS : Global Marketing Department Department issuing SDS: Global Marketing Department Def Define Information on Jaca set with the Transport of Dangerous Goods by Rail) MTA DR: Degregoriem of Transport of Dangerous Goods by Rail) MTA DR: Degregoriem of Transport of Dangero	P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
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Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 /- Abbreviations and acronyms: The Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IntraDGR: Dangerous Goods Regulations by the "International Civil Aviation Organization" (ICAO) INDOG: International Nartime Code for Dangerous Goods by Rail) International Nartime Code for Dangerous Goods to the American Chemical Society) HMIS: Hazardous Materials Information System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) ICSO: Lethal concentration. 50 percent Prevented Information System (USA) WHMIS: Workplace Hazardous Materials Information System (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Society Program (USA) NTP: National Toxicology Program (USA) NTP: National Toxicology Program (USA) NTP: National Toxicology Program (USA)		
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