

SAFETY DATA SHEET



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Substance key: 000000683327

Revision Date: 05/25/2017

Version : 1 - 0 / CDN

Date of printing :06/03/2017

SECTION 1. IDENTIFICATION

Identification of the company:

Clariant Plastics & Coatings Canada Inc.
2 Lone Oak Court
Toronto, Ontario, M9C 5R9
Telephone No.: +1 514-832-2559

Information of the substance/preparation:

Product Stewardship, +1-704-331-7710
e-mail: SDS.NORAM@clariant.com

Emergency tel. number: +1 800-424-9300 CHEMTREC, +1 (703) 527-3887 INTERNATIONAL

Trade name:

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Material number:

CV02765620

Chemical family:

Colourant preparation
Carrier: PVC

Primary product use:

Additive for plastic material processing

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

Hazards Not Otherwise Classified:

If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

: Colourant preparation
Carrier: PVC

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Calcium distearate	1592-23-0	1 - 2.5
Zinndioctyl-bis(thioglykolsäureisooctylester)	26401-97-8	1 - 2.5
Polyvinyl chloride	9002-86-2	25 - 40
C.I. Pigment White 6	13463-67-7	40 - 60

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and by the Canadian WHMIS 2015 Hazardous Products Regulations (SOR/2015-

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17)., The hazardous ingredients of this product are encapsulated, therefore the material is not GHS classified for health and environmental hazards as exposure is not expected., Any concentration shown as a range is due to batch variation.

SECTION 4. FIRST AID MEASURES

- If inhaled : Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.
Never give anything by mouth to an unconscious person.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.
In case of burns apply cold water until pain subsides then seek medical advice.
Burns must be treated by a physician.
If molten polymer contact the skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention for thermal burn. Skin absorption of reground pellets is unlikely.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately if irritation develops and persists.
- If swallowed : Rinse mouth.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
Get medical advice/ attention.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Hydrogen chloride

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Carbon monoxide
Carbon dioxide (CO₂)
Metal oxides
Calcium oxide

- Further information : Combustible material
In the event of fire and/or explosion do not breathe fumes.
During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion
Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Do not allow run-off from fire fighting to enter drains or water courses.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
Avoid contact with skin, eyes and clothing.
Wash thoroughly after handling.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
Prevent product from entering drains.
- Methods and materials for containment and cleaning up : Avoid dust formation.
Take measures to prevent the build up of electrostatic charge.
Sweep up and shovel into suitable containers for disposal.
Take up uncontaminated material and pass on for further processing.
After cleaning, flush away traces with water.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.
- Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.
Use only with adequate ventilation/personal protection.
For personal protection see section 8.
Avoid contact with skin, eyes and clothing.
Use only with adequate ventilation.
When handling hot melts use suitable protective clothing.
Avoid dust formation. Keep away from sources of ignition.
Lead off electrostatic charges.
- Conditions for safe storage : Keep container tightly closed in a cool, well-ventilated place.

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Protect from moisture.
Keep away from direct sunlight.

Technical measures/Precautions : Store in a cool, dry, well-ventilated area. Keep container sealed when not in use.
Keep in an area equipped with sprinklers.
Minimize dust generation and accumulation.

Materials to avoid : not required

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
C.I. Pigment White 6	13463-67-7	TWA	10 mg/m ³	CA AB OEL
		TWA (Total dust)	10 mg/m ³	CA BC OEL
		TWA (respirable dust fraction)	3 mg/m ³	CA BC OEL
		TWAEV (total dust)	10 mg/m ³	CA QC OEL
Calcium distearate	1592-23-0	TWA	10 mg/m ³	CA AB OEL
		TWA	10 mg/m ³	CA BC OEL
		TWA	10 mg/m ³	ACGIH
Polyvinyl chloride	9002-86-2	TWA (Respirable)	1 mg/m ³	CA BC OEL
		TWAEV (total dust)	10 mg/m ³	CA QC OEL
		TWA (Respirable fraction)	1 mg/m ³	ACGIH
Zinndioctyl-bis(thioglykolsäureisooctylester)	26401-97-8	TWA	0.1 mg/m ³ (Tin)	CA AB OEL
		STEL	0.2 mg/m ³ (Tin)	CA AB OEL
		TWAEV	0.1 mg/m ³ (Tin)	CA QC OEL
		STEV	0.2 mg/m ³ (Tin)	CA QC OEL
		TWA	0.1 mg/m ³ (Tin)	CA BC OEL
		STEL	0.2 mg/m ³ (Tin)	CA BC OEL
		TWA	0.1 mg/m ³	CA ON OEL

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			(Tin)	
		TWA	0.1 mg/m3 (Tin)	ACGIH
		STEL	0.2 mg/m3 (Tin)	ACGIH

Engineering measures : Use only in area provided with appropriate exhaust ventilation.
Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.
Use engineering controls such as local or general exhaust to maintain airborne concentrations below exposure limits.

Personal protective equipment

Respiratory protection : Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust or fume may be generated.
Use respiratory protective equipment when using this product at elevated temperatures (see section 8).

Hand protection
Remarks : Nitrile rubber gloves. Impervious butyl rubber gloves PVC Neoprene gloves When handling hot material, use heat resistant gloves.

Eye protection : Safety glasses with side-shields

Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.
When handling hot melts use suitable protective clothing.

Hygiene measures : The usual Industrial Hygiene precautions must be taken during work, in particular: do not drink, eat or smoke during the handling of the product and clean hands and face during work intervals and after work.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Granules

Colour : white

Odour : characteristic

Odour Threshold : Not applicable

pH : Not applicable

Melting point : > 70 °C

Boiling point : Not applicable

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Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: not determined
Self-ignition	: Not applicable
Upper explosion limit	: not tested.
Lower explosion limit	: not tested.
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: not available
Density	: not tested.
Solubility(ies) Water solubility	: insoluble
Partition coefficient: n-octanol/water	: This property is not applicable for mixtures.
Decomposition temperature	: > 200 °C
Viscosity Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Explosive properties	: no data available no data available
Oxidizing properties	: not available
Surface tension	: Not relevant
Particle size	: Product specific

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable
Possibility of hazardous reactions	: Lithium

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Conditions to avoid	: To avoid thermal decomposition, do not overheat. Heating can release hazardous gases. Keep away from heat, sparks, open flames, and other sources of ignition. If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
Incompatible materials	: none Strong acids and oxidizing agents Acids
Hazardous decomposition products	: When handled and stored appropriately, no dangerous decomposition products are known The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

None known.

Acute toxicity**Product:**

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Components:**Calcium distearate:**

Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg
Method: OECD Test Guideline 423
GLP: yes

Acute inhalation toxicity : LC50 (Rat): > 3 mg/l
Exposure time: 4 h
Method: OECD Test Guideline 403
GLP: yes
Remarks: By analogy with a product of similar composition

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Remarks: By analogy with a product of similar composition

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Polyvinyl chloride:

- Acute oral toxicity : Remarks: Not relevant
- Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity
- Acute dermal toxicity : Remarks: Not relevant

C.I. Pigment White 6:

- Acute oral toxicity : LD50 (Rat, female): > 5,000 mg/kg
Method: OECD Test Guideline 425
GLP: no
- Acute inhalation toxicity : LC50 (Rat, male and female): 3.4 - 5.1 mg/l
Exposure time: 4 h
Method: OECD Test Guideline 403
GLP: no
- Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Not applicable

Skin corrosion/irritation**Product:**

Result: No skin irritation

Components:**Calcium distearate:**

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: yes
Remarks: By analogy with a product of similar composition

Polyvinyl chloride:

Remarks: This information is not available.

C.I. Pigment White 6:

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: no

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Serious eye damage/eye irritation**Product:**

Result: No eye irritation

Components:**Calcium distearate:**

Species: rabbit eye

Result: No eye irritation

Method: OECD Test Guideline 405

GLP: yes

Remarks: By analogy with a product of similar composition

Polyvinyl chloride:

Remarks: This information is not available.

C.I. Pigment White 6:

Species: rabbit eye

Result: non-irritant

Method: OECD Test Guideline 405

GLP: No information available.

Respiratory or skin sensitisation**Product:**

Result: non-sensitizing

Components:**Calcium distearate:**

Test Type: Mouse local lymphnode assay

Exposure routes: Dermal

Species: Mouse

Method: OECD Test Guideline 429

Result: Does not cause skin sensitisation.

GLP: yes

Remarks: By analogy with a product of similar composition

Test Type: Respiratory system

Exposure routes: Inhalation

Remarks: This information is not available.

Polyvinyl chloride:

Exposure routes: Skin contact

Result: not known

C.I. Pigment White 6:

Test Type: Mouse local lymphnode assay

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Exposure routes: Skin contact
Species: Mouse
Method: OECD Test Guideline 429
Result: non-sensitizing
GLP: No information available.

Test Type: Buehler Test
Exposure routes: Skin contact
Species: Guinea pig
Method: OECD Test Guideline 406
Result: non-sensitizing
GLP: yes

Test Type: Respiratory system
Exposure routes: inhalation (dust/mist/fume)
Species: Mouse
Method: Other
Result: Does not cause respiratory sensitisation.
GLP: No information available.

Germ cell mutagenicity**Components:****Calcium distearate:**

- Genotoxicity in vitro :
- Test Type: Ames test
Species: Salmonella typhimurium
Method: OECD Test Guideline 471
Result: negative
GLP: yes
 - Test Type: In vitro gene mutation study in mammalian cells
Species: mouse lymphoma cells
Method: OECD Test Guideline 476
Result: negative
GLP: yes
Remarks: By analogy with a product of similar composition
 - Test Type: Cytogenetic assay
Species: V79 cells (embryonic lung fibroblasts) of the Chinese hamster
Method: OECD Test Guideline 473
Result: negative
GLP: yes
Remarks: By analogy with a product of similar composition

Germ cell mutagenicity - Assessment : It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests.

Polyvinyl chloride:

Genotoxicity in vitro : Remarks: Not applicable

Germ cell mutagenicity - : No information available.

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Assessment

C.I. Pigment White 6:

- Genotoxicity in vitro :
- Test Type: Ames test
 - Species: Salmonella typhimurium
 - Concentration: 333 - 5000 µg/plate
 - Metabolic activation: with and without metabolic activation
 - Method: OECD Test Guideline 471
 - Result: negative
 - GLP: yes
- Genotoxicity in vivo :
- Test Type: Ames test
 - Species: Escherichia coli
 - Concentration: 333 - 5000 µg/plate
 - Metabolic activation: with and without metabolic activation
 - Method: OECD Test Guideline 471
 - Result: negative
 - GLP: yes
- Genotoxicity in vivo :
- Test Type: Micronucleus test
 - Species: Mouse (male and female)
 - Strain: ICR
 - Cell type: Erythrocytes
 - Application Route: oral (gavage)
 - Exposure time: single treatment
 - Dose: 500 - 1000 - 2000 mg/kg
 - Method: OECD Test Guideline 474
 - Result: negative
 - GLP: yes
- Germ cell mutagenicity - Assessment :
- It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests.

Carcinogenicity**Components:****Calcium distearate:**

- Carcinogenicity - Assessment :
- Not classifiable as a human carcinogen.

Polyvinyl chloride:

- Carcinogenicity - Assessment :
- No information available.

C.I. Pigment White 6:

- Carcinogenicity - Assessment :
- Not classifiable as a human carcinogen.

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Reproductive toxicity**Components:****Calcium distearate:**

Effects on fertility : Species: Rat
Application Route: Oral
General Toxicity - Parent: NOAEL: > 1,000 mg/kg body weight
General Toxicity F1: NOAEL: > 1,000 mg/kg body weight
Method: OECD Test Guideline 421
GLP: yes

Effects on foetal development : Species: Rat
Application Route: Oral
Teratogenicity: NOAEL: > 1,000 mg/kg body weight
Method: OECD Test Guideline 414
GLP: yes
Remarks: By analogy with a product of similar composition

Reproductive toxicity - Assessment : No reproductive toxicity to be expected.
No teratogenic effects to be expected.

Polyvinyl chloride:

Effects on fertility : Remarks: This information is not available.

Effects on foetal development : Remarks: This information is not available.

Reproductive toxicity - Assessment : No information available.
No information available.

C.I. Pigment White 6:

Effects on fertility : Remarks: The study is not necessary from a scientific perspective.

Effects on foetal development : Remarks: The study is not necessary from a scientific perspective.

Reproductive toxicity - Assessment : No reproductive toxicity to be expected.
No teratogenic effects to be expected.

STOT - single exposure**Components:****Calcium distearate:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Polyvinyl chloride:

Remarks: no data available

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C.I. Pigment White 6:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure**Components:****Calcium distearate:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Polyvinyl chloride:

Remarks: no data available

C.I. Pigment White 6:

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity**Components:****Calcium distearate:**

Species: Rat

NOAEL: > 2,000 mg/kg

Application Route: Oral

Method: OECD Test Guideline 407

GLP: yes

Polyvinyl chloride:

Remarks: This information is not available.

C.I. Pigment White 6:

Species: Rat, male

NOAEL: 24,000 mg/kg

Application Route: oral (gavage)

Exposure time: 29 d

Number of exposures: daily

Dose: 24000 mg/kg

Group: yes

Method: OECD Test Guideline 407

GLP: No information available.

Species: Rat, male and female

NOAEL: 0.01 mg/l

Application Route: Inhalation

Exposure time: 2 a

Number of exposures: 6 hours/day, 5 days/week

Dose: 0,0106 - 0,0507 - 0,250 mg/l

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Group: yes
Method: Repeated Dose Toxicity (chronic Toxicity)
GLP: no

Application Route: Skin contact
Remarks: The study is not necessary from a scientific perspective.

Aspiration toxicity**Components:****Calcium distearate:**

No aspiration toxicity classification

Polyvinyl chloride:

No aspiration toxicity classification

C.I. Pigment White 6:

No aspiration toxicity classification

Experience with human exposure**Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

Further information**Components:****C.I. Pigment White 6:**

Remarks: Lung damage possible.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish :
Remarks: no data available

Components:**Calcium distearate:**

Toxicity to fish : LC50 (Oryzias latipes): > 100 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l

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aquatic invertebrates		Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
Toxicity to fish (Chronic toxicity)	:	Remarks: not required
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water flea)): > 0.22 mg/l Exposure time: 21 d Test Type: semi-static test Method: OECD Test Guideline 211 GLP: yes Remarks: By analogy with a product of similar composition
Toxicity to microorganisms	:	EC50 (activated sludge): > 1,000 mg/l End point: Bacteria toxicity (respiration inhibition) Exposure time: 3 h Test Type: aquatic Method: OECD Test Guideline 209 GLP: yes Remarks: By analogy with a product of similar composition
Toxicity to soil dwelling organisms	:	Remarks: Not applicable
Plant toxicity	:	Remarks: Not applicable
Sediment toxicity	:	Remarks: no data available
Toxicity to terrestrial organisms	:	Remarks: Not applicable
Polyvinyl chloride:		
Toxicity to fish	:	no toxicity, except ingestion Remarks: Not applicable
Toxicity to daphnia and other aquatic invertebrates	:	Remarks: Not applicable
Toxicity to algae	:	Remarks: Not applicable
Toxicity to fish (Chronic toxicity)	:	no toxicity, except ingestion Remarks: Not applicable
Toxicity to daphnia and other	:	Remarks: Not applicable

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aquatic invertebrates
(Chronic toxicity)

Toxicity to microorganisms : Remarks: Not applicable

Toxicity to soil dwelling organisms : Remarks: Not applicable

Plant toxicity : Remarks: Not applicable

Sediment toxicity : Remarks: Not applicable

Toxicity to terrestrial organisms : no toxicity, except ingestion
Remarks: Not applicable

C.I. Pigment White 6:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l
Exposure time: 96 h
Test Type: static test
Analytical monitoring: no
Method: EPA
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.

LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l
Exposure time: 96 h
Test Type: static test
Analytical monitoring: no
Method: OECD Test Guideline 203
GLP: No information available.
Remarks: The details of the toxic effect relate to the nominal concentration.

LC50 (Cyprinodon variegatus (sheepshead minnow)): > 10,000 mg/l
Exposure time: 96 h
Test Type: semi-static test
Analytical monitoring: no data available
Method: OECD Test Guideline 203
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Analytical monitoring: no data available
Method: OECD Test Guideline 202
GLP: no data available
Remarks: The details of the toxic effect relate to the nominal concentration.

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LC50 (*Acartia tonsa*): > 10,000 mg/l

Exposure time: 48 h

Analytical monitoring: no data available

Method: ISO 14669 and PARCOM method

GLP: yes

Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to algae : EC50 (*Pseudokirchneriella subcapitata* (microalgae)): 61 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: no
Method: EPA
GLP: No information available.
Remarks: The details of the toxic effect relate to the nominal concentration.

EC50 (*Skeletonema costatum* (marine diatom)): > 10,000 mg/l

End point: Growth rate

Exposure time: 72 h

Analytical monitoring: no data available

Method: ISO 10253

GLP: yes

Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to fish (Chronic toxicity) : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 7.31 mg/l
Exposure time: 28 d
Test Type: static test
Analytical monitoring: yes
Method: Other
GLP: No information available.
Remarks: By analogy with a product of similar composition

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: Not applicable

Toxicity to microorganisms : EC50 (activated sludge of a predominantly domestic sewage): > 1,000 mg/l
End point: Bacteria toxicity (respiration inhibition)
Exposure time: 3 h
Test Type: aquatic
Method: OECD Test Guideline 209
GLP: yes
Remarks: The details of the toxic effect relate to the nominal concentration.

NOEC (activated sludge of a predominantly domestic sewage): \geq 1,000 mg/l

End point: Bacteria toxicity (respiration inhibition)

Exposure time: 3 h

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	<p>Test Type: aquatic Method: OECD Test Guideline 209 GLP: yes Remarks: The details of the toxic effect relate to the nominal concentration.</p>
Toxicity to soil dwelling organisms	<p>: Test Type: artificial soil NOEC (Folsomia candida): 0,1 ->= 10 % Exposure time: 28 d End point: mortality Method: ISO 11267 GLP: no Remarks: By analogy with a product of similar composition This product does not have any known adverse effect on the soil organisms tested.</p>
Plant toxicity	<p>: NOEC (Lactuca sativa (lettuce)): >= 10 % Exposure time: 20 h End point: Growth Analytical monitoring: yes Method: Other GLP: no Remarks: By analogy with a product of similar composition No effect on the growth was observed.</p>
Sediment toxicity	<p>: NOEC (Hyalella azteca (Scud)): >= 100000 % Analytical monitoring: no Sediment: artificial soil Exposure duration: 28 d Nominal / Measured: nominal Basis for effect: mortality Method: Other GLP: no Remarks: By analogy with a product of similar composition</p> <p>NOEC: >= 14989 mg/kg dry weight (d.w.) Analytical monitoring: no data available Sediment: Natural sediment Exposure duration: 10 d Nominal / Measured: nominal Basis for effect: mortality Method: Other GLP: yes</p>
Toxicity to terrestrial organisms	<p>: Remarks: Not applicable</p>

Persistence and degradability**Components:****Calcium distearate:**

Biodegradability : Result: Readily biodegradable.

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Biodegradation: 93 %
Method: OECD Test Guideline 301C

Result: Readily biodegradable.
Biodegradation: 99 %
Method: OECD Test Guideline 301B

Polyvinyl chloride:

Biodegradability : Result: Not readily biodegradable.
Remarks: The polymer is too large to be bioavailable.
Not applicable due to insolubility in water. This product does not come into contact with the effluent when it is used for its purpose, otherwise it can be removed by filtration operations.

C.I. Pigment White 6:

Biodegradability : Remarks: Not applicable for inorganic compound.

Bioaccumulative potential**Product:**

Bioaccumulation : Remarks: not tested.

Components:**Calcium distearate:**

Bioaccumulation : Remarks: Due to the low logPow bioaccumulation is not expected

Polyvinyl chloride:

Bioaccumulation : Remarks: Not applicable

C.I. Pigment White 6:

Bioaccumulation : Species: Oncorhynchus mykiss (rainbow trout)
Bioconcentration factor (BCF): 20 - 200
Exposure time: 14 d
Concentration: 0.1 - 1 mg/l
Method: Other
GLP: No information available.
Remarks: Does not accumulate in organisms.

Mobility in soil**Product:**

Distribution among environmental compartments : Remarks: not tested.

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Components:**Polyvinyl chloride:**

Distribution among environmental compartments : Remarks: The product is insoluble and sinks in water.

C.I. Pigment White 6:

Mobility : Remarks: Adsorption to solid soil phase is possible.

Distribution among environmental compartments : Adsorption/Soil
Medium: water - soil
log Koc: 4.61
Method: Other

Other adverse effects**Product:**

Results of PBT and vPvB assessment : Remarks: No information is available as no chemical safety report (CSR) is required.

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

Components:**Calcium distearate:**

Results of PBT and vPvB assessment : The substance is not identified as a PBT or as a vPvB substance.

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

Polyvinyl chloride:

Environmental fate and pathways : no data available

Results of PBT and vPvB assessment : Remarks: Not applicable

Additional ecological information : Has not been tested due to insolubility in water.

C.I. Pigment White 6:

Environmental fate and pathways : not available

Results of PBT and vPvB assessment : The substance is inorganic, thus a PBT and vPvB criteria assessment is not applicable according to Annex XIII of Regulation (EC) 1907/2006.

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Additional ecological information : Do not allow to enter ground water, waterways or waste water.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : Dispose of this product in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Regulations concerning reuse or disposal of used packaging materials must be observed.

SECTION 14. TRANSPORT INFORMATION

TDG not restricted

IATA not restricted

IMDG not restricted

SECTION 15. REGULATORY INFORMATION

NPRI Components : Chromium (III) compound
Copper Compound

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

DSL : All components of this product are on the Canadian DSL

Canadian lists

No substances are subject to a Significant New Activity Notification.

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety

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and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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