MATERIAL SAFETY DATA SHEET
DOLCE Lime Paint & Primer

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Code: DOLCE
Product Name: DOLCE Lime Paint & Primer

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Preparation: INTERIOR WALLS & CEILINGS
PC9a: Coatings and paints, thinners, paint removers. For Interior walls & ceilings.

1.3. Details of the Supplier of the Safety Data Sheet

Company: Tintural Ltd
1725 Atmec Gatineau, QC J8R 0E7, Canada
Tel/Fax: 1-613-701-5022
Email: info@tintural.com

Canada
Contact your local Provincial Poison Centre or 911
http://www.capcc.ca/
Ontario: 1-800-268-9017
Quebec: 1-800-463-5060

USA
Contact your local State Poison Centre or 911
American Association of Poison Control Centers 1-800-222-1222
http://www.aapcc.org/

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture.

This product contains lime.
The product is classified as hazardous pursuant to the provisions set forth in Canada`s Hazardous Products Regulations (HPR) (WHMIS 2015) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions this regulation and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Classification and indication of danger:

Specific target organ toxicity - repeated exposure, category 1.	Danger of serious damage to organs through prolonged or repeated exposure
Carcinogenicity, category 1A	May cause cancer
Eye irritation, category 2	Causes eye irritation.

R37/38	Irritating to respiratory tract and skin
R41	Risk of serious eye damage

2.2. Label elements.

Hazard statements:

H319	Causes serious eye irritation.
H372	Causes damage to organs through prolonged or repeated exposure
H350	May cause cancer
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do no eat, drink or smoke when using this product
P280	Wear protective gloves / eye protection / face protection.

Reactions

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308 + P313	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P337 + P313	If eye irritation persists: Seek medical advice/attention.
P310	Immediately call a POISON CENTER/doctor/…

Storage

P405	Store locked up.

Elimination

P501	Dispose of the product/container in accordance with the instructions of the country of use.

2.3. Other hazards.
On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3: Composition/Information on Ingredients

3.1. Substances.
Information not relevant.

3.2. Mixtures.
Contains:

identification	CAS	Numéro CE	Règl Reach	Conc (%)	classification
QUARTZ (FRACTION RESPIRABLE)	CAS 14808-60-7	CE 238-878-4		66.307	Carcinogenicity, category 1A H350, Specific target organ toxicity - repeated exposure, category 1 H372
BIOXYDE DE TITANE	CAS 13463-67-7	CE 236-675-5	01-2119489379-17 0103	16.75	Carcinogenicity, category 2A, H351
HYDROXYDE DE CALCIUM	CAS 1305-62-0	CE 215-137-3	01-2119475151-45 0228	2.24	Serious eye damage, category 1 H318, Skin irritation, category 2 H315, Specific target organ toxicity - single exposure, category 3 H335
QUARTZ (fraction fine)	CAS 14808-60-7	CE 238-878-4		0.333	Carcinogenicity, category 1A H350, Specific target organ toxicity - repeated exposure, category 2 H373
Politolique				0.173	Hazardous to the aquatic environment, chronic toxicity, category 3 H412

SECTION 4: First-Aid Measures

4.1. Description of first-aid measures.

If in doubt, or if you have any symptoms, contact a doctor and show him or her this document. If symptoms are more serious, seek immediate medical attention.

EYES: If necessary, remove contact lenses, provided there is no difficulty in doing so. Wash immediately with plenty of water for at least 15 minutes, keeping eyelids open. Seek medical advice immediately.

SKIN: Remove contaminated clothing. Wash immediately with plenty of running water (and soap if possible). Seek medical advice. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting without the express permission of a physician. Do not give anything by mouth if person is unconscious. Seek immediate medical attention.

INHALATION: Remove to fresh air, away from accident area. Seek immediate medical attention.

Protection of first aiders

Personal protective equipment is strongly recommended when assisting a person who has been exposed to a chemical substance or mixture. The nature of this protection depends on the hazardousness of the substance or mixture, the type of exposure and the extent of contamination. In the absence of other more specific indications, disposable gloves are recommended for potential contact with biological fluids. For the type of PPE appropriate to the characteristics of the substance or mixture, refer to section 8.

4.2. Main symptoms and effects, acute and delayed.

No specific information is available on symptoms and effects caused by the product.
DELAYED EFFECTS: Based on currently available information, there are no known cases of delayed effects following exposure to this product.

4.3 Indication of any immediate medical attention and special treatment needed

In case of acute or delayed symptoms, seek medical advice.
Immediate and specific treatment: Wash skin and eyes with running water.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA
The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulized water.

UNSUITABLE EXTINGUISHING EQUIPMENT
None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE
Do not breathe combustion products

5.3. Advice for firefighters.

GENERAL INFORMATION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures.

Wear protective equipment (including personal protective equipment listed in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These instructions apply to both operating personnel and emergency responders.

6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up.

Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections.
Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurized.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities.

Store in a well-ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition.
Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s).

Information not available.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters.

Tintanium Bioxide
Threshold limit value

Type	State	TWA/8h	STEL/15min	Notes
		mg/m3	mg/m3	ppm
TLV-ACGIH		2.5		RESPIR
OSHA	USA	15		INHALA

Quartz (fine fraction)
Threshold limit value

Type	State	TWA/8h	STEL/15min	Notes
		mg/m3	mg/m3	ppm
TLV-ACGIH		0.025		RESPIR
OEL	EU	0.1		RESPIR
ONT	CAN	0.1		RESPIR
OSHA	USA	0.05		

Calcium hydroxide
Threshold limit value

Type	State	TWA/8h	STEL/15min	Notes
		mg/m3	mg/m3	ppm
TLV-ACGIH		5		
OEL	EU	1	4	RESPIR
OSHA	USA	15		INHALA
OSHA	USA	5		RESPIR

Quartz (respirable fraction)
Threshold limit value

Type	State	TWA/8h	STEL/15min	Notes
		mg/m3	mg/m3	ppm
TLV-ACGIH		0.025		
ONT	CAN	0.1		RESPIR
OSHA	USA	0.05		

(C) = CEILING; INHALA = Inhalable part; RESPIR = Respirable part; THORAC = Thoracic part.
For risk assessment purposes, it is recommended to take into account the occupational exposure limit values set by the ACGIH for dusts not specifically classified (PNOC respirable fraction: 3 mg/m3; PNOC inhalable fraction: 10 mg/m3). If these limit values are exceeded, the use of a type P filter is recommended. The filter class (1, 2 or 3) should be chosen according to the results of the risk assessment. The above values are not ELVs, but guide values to be used for particles which do not have their own ELV, are insoluble or sparingly soluble in water, and are of low toxicity.

8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.
Provide an emergency shower with face and eye wash station.

HAND PROTECTION
If prolonged contact with the product is anticipated, we recommend that you protect your hands with penetration-resistant work gloves (OSHA 29 CFR 1910.138). The material of work gloves should be chosen according to the process of use and the products derived from it. Latex gloves can cause sensitization.

EYE PROTECTION
Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

SKIN PROTECTION
Sealed safety glasses are recommended (OSHA 29 CFR 1910.133, CSA Standard CAN/CSA-Z94.3-92).

RESPIRATORY PROTECTION
Use of a NIOSH-certified respirator (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134, CSA Standard Z94.4-02) or equivalent device, the class and actual need for which will be determined by the outcome of the risk assessment.

ENVIRONMENTAL EXPOSURE CONTROLS.
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties.

Appearance	powder
Colour	white
Odour	characteristic
Odour threshold.	Not available.
pH.	12,0 +/- 0,5
Melting or freezing point.	Not available.
Boiling point.	Not available.
Distillation range.	Not available.
Flash point.	Not available
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.

Vapour density	Not available.
Specific gravity.	Not available
Solubility	Not available.
Partition coefficient: n-octanol/water	Not available.
Ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	Not available.
Reactive Properties	Not available.

9.2. Other information.
None

SECTION 10: Stability and Reactivity

10.1. Reactivity.
There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.
The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions.
No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid.
None in particular, however the usual precautions used for chemical products should be respected.

10.5. Incompatible materials.
Information not available.

10.6. Hazardous decomposition products.
Information not available.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

This product may cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

Acute effects: contact with skin may cause: irritation, erythema, edema, dryness and chapped skin.
Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

Metabolism, kinetics, mechanism of action and other information
Information not available

Information on likely routes of exposure
Information not available

Delayed and immediate effects, and chronic effects of short- and long-term exposure
Information not available

Interactive effects
Information not available

Acute toxicity
TITANIUM DIOXIDE LD50 (Oral): > 5000 mg/kg Rat
HYDROXYDE DE CALCIUM LD50 (Oral): 7340 mg/kg Rat

Skin corrosion, skin irritation
Causes skin irritation

Serious eye damage/eye irritation
Causes severe eye damage

Respiratory or skin sensitization
Does not meet the classification criteria for this hazard class

Germ cell mutagenicity
Does not meet the classification criteria for this hazard class.

Carcinogenicity
May cause cancer

Reproductive toxicity:
Does not meet the classification criteria for this hazard class.

Specific target organ toxicity - single exposure:
Does not meet the classification criteria for this hazard class

Specific target organ toxicity - repeated exposure:
Danger of serious organ damage

Aspiration hazard:
Does not meet the classification criteria for this hazard class.

SECTION 12: Ecological Information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1. Toxicity.

Information not available.

12.2. Persistence and degradability.
CALCIUM HYDROXYDE
Solubility in water: 1000 - 10000 mg/l

12.3. Bioaccumulative potential.
Information not available.

12.4. Mobility in soil.
Information not available.

12.5. Results of PBT and vPvB assessment.
On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects.
Information not available.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: Transport Information

14.1. UN number.
Not applicable.

14.2. UN proper shipping name.
Not applicable.

14.3. Transport hazard class(es).
Not applicable.

14.4. Packing group.
Not applicable.
14.5. Environmental hazards.
Not applicable.

14.6. Special precautions for user.
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.
Information not relevant.

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

Substances subject to the Rotterdam Convention:
None

Canadian regulatory information:
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Material Safety Data Sheet in accordance with WHMIS 2015.

15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16: Other Information

LEGEND
- ADR: European agreement for the transport of dangerous goods on the road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Concentration affecting 50% of the population tested
- CE NUMBER: Identification number in ESIS (European system of existing substances)
- CLP: Regulation EC 1272/2008
- DNEL: Derivative level with no effect
- EmS: Emergency Schedule
- GHS: Global harmonized chemical classification and labelling system
- IATA DGR: International Air Transport Association Regulations for the Transport of Dangerous Goods
- IC50: 50% of the population tested
- IMDG: International Maritime Code for the Transport of Dangerous Goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Appendix VI of the CLP
- LC50: Deadly concentration 50%
- LD50: Deadly dose 50%
- OEL: Exposure level in the workplace
- PBT: Persistent, bio-accumulating and toxic according to REACH
- PEC: Predictable environmental concentration

- ELP: Predictable level of exposure
- PNEC: Predictable concentration with no effect
- REACH: EC Regulations 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold limit value
- TLV PIC: Concentration that should not be exceeded at any time of exposure to work.
- TWA STEL: Short-term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and bio-accumulating according to REACH
- for WGK: Water hazard classes (Germany).

GENERAL BIBLIOGRAPHY

GHS rev. 5
The Merck Index. 10th Edition
Handling Chemical Safety
Niosh - Registry of Toxic Effects of Chemical Substances
INRS - Fiche Toxicologique (toxicological sheet)
Patty - Industrial Hygiene and Toxicology –
N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
ECHA website
Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy
Hazard Products Regulation (HPR)
WHMIS 2015
ONTARIO R.R.O. 1990, Regulation 883 (version July 2016)
IARC website
NTP. 2011. Report on Carcinogens, 12th Edition.
OSHA website
Cal/OSHA website
California Safe Drinking Water and Toxic Enforcement Act

NOTE FOR USERS

The data contained in this fact sheet are based on the knowledge as of the date of the last edition. Users should check the accuracy and completeness of the information related to the specific use of the product.

This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appropriate training to chemical use personnel.

It is the user's responsibility to check that the product used is compliant and suitable for its intended use. The supplier assumes no responsibility for any damage, loss or injury to persons, property or of any nature whatsoever which may arise or result from the improper, negligent, inappropriate or abusive use or handling of the product, or from failure to take due note of the information contained in this data sheet.