



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

900

MATTING POWDER

For use with U.V. Curable Screenprinting Inks

North America:

NOR-COTE INTERNATIONAL, INC.

506 Lafayette Avenue
Crawfordsville, Indiana 47933
USA

Phone: 765-362-9180 (day phone)

MSDS Issuer: EHS Department

Emergency Phone:

CHEMTREC (United States)

800-424-9300

Europe:

NOR-COTE INTERNATIONAL LTD.

Unit 8 Warrior Park, Eagle Close
Chandlers Ford Industrial Estate
Eastleigh, Hampshire

SO53 4NF England

Tel: +44 (0) 23 80270542 (day phone)

Emergency Phone:

CHEMTREC (Outside U.S.)

703-527-3887

Asia:

NOR-COTE INTERNATIONAL PTE. LTD.

Blk 4012 Ang Mo Kio Ave 10
#05-08 Techplace 1,
Singapore 569628

Tel: +65 6291-0898 (day phone)

SECTION 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Product is talc, a white powder in which dust may cause mechanical irritation to eyes and respiratory tract. Talc contains crystalline silica at levels greater than 0.1%, but less than 1%. IARC has determined silica to be a Class 1 Carcinogen and NTP has classified crystalline silica as a substance reasonably anticipated to be a carcinogen.

ROUTES OF ENTRY: Inhalation, Ingestion, skin and eye contact

GENERAL HEALTH EFFECTS: Irritant to skin, eyes and respiratory tract. Effects may be delayed for several hours.

ACUTE

- **Inhalation:** Inhalation of dusts may cause sneezing, coughing and nose irritation.
- **Skin Contact:** Abrasiveness of the talc may cause skin irritation.
- **Eye Contact:** Abrasion may cause eye irritation.
- **Ingestion:** May cause mild irritation of gastrointestinal tract.

CHRONIC

- **Inhalation:** Long-term excessive exposures may cause Talcosis, a pulmonary fibrosis which may lead to severe and permanent damage to the lung- possibly resulting in disability or death

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing chronic respiratory, skin or eye diseases.

HMIS ® RATING: Health – 1* Flammability - 0 Physical Hazard – 0 PPE – E

SECTION 3 COMPOSITION

INGREDIENT	PERCENT BY WEIGHT	CAS#	EINECS#	Symbol	Risk Phrase
Magnesium Silicate Hydrate / Talc (non-asbestosform, but contains crystalline silica at levels greater than 0.1%, but less than 1%)	98-100%	14807-96-6	238-877-9	NA	NA

SECTION 4 FIRST AID MEASURES

INHALATION: Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration. If breathing is difficult or sneezing and coughing persist, seek medical attention.

SKIN CONTACT: Remove and isolate contaminated clothing and shoes. Remove excess material from skin with clean cloth. Flush skin with running lukewarm water. Wash affected areas using mild soap. Apply common skin moisturizers to relieve dryness.

EYE CONTACT: Flush the eye and under lids with warm water for 15 minutes. Remove any contact lenses during the flushing. Get immediate medical attention if symptoms persist.

INGESTION: If appreciable quantities are swallowed, seek immediate medical attention. Never give anything by mouth to an unconscious person.



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SECTION 5 FIRE FIGHTING MEASURES

FLASHPOINT: N/A

FLAMMABLE/EXPLOSIVE HAZARD: None

AUTO-IGNITION TEMPERATURE: N/A

EXTINGUISHING METHOD: Material is non-combustible. Follow fire extinguishing procedures for surrounding combustibles.

NFPA CODES: Health – 1 Flammability - 0 Reactivity – 0

SECTION 6 ACCIDENTAL RELEASE MEASURES

Provide adequate ventilation. Use appropriate personal protective equipment to reduce eye and skin contact and inhalation of dust. Use a vacuum with HEPA filtration to clean up spilled material. Use wet sweeping or a dust suppressant where sweeping is necessary. Wet material can cause a surface used for walking to become extremely slippery.

SECTION 7 HANDLING AND STORAGE

HANDLING: Avoid any unnecessary contact. Use personal protective equipment specified in Section 8. Avoid damaging container.

STORAGE: Store to minimize or avoid dust generation. Store in clean, dry locations.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component	Exposure Limit
Talc	OSHA/ACGIH- 2mg/m ³ (respirable dust)
Silica	OSHA/ACGIH-0.1mg/m ³

ENGINEERING CONTROLS/VENTILATION: Investigate engineering techniques to reduce exposures. Provide ventilation if necessary to minimize exposure. Dilution ventilation is acceptable, but local mechanical exhaust ventilation is preferred, if practical, at sources of air contamination. An exhaust filter system may be required to avoid environmental contamination.

HAND PROTECTION: Use leather or other impervious gloves.

EYE PROTECTION: Use safety glasses that are ANSI approved to prevent eye contact. Eyewash availability is also recommended.

SKIN PROTECTION: Protective or disposable outer clothing is recommended.

RESPIRATORY PROTECTION: Use of NIOSH/MSHA approved respirators is recommended where exposure limits may be exceeded. Consult the respirator manufacturer for appropriate type and application.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White, no odor

PHYSICAL STATE: Solid, Powder

SPECIFIC GRAVITY: 2.7

EVAPORATION RATE: <1

SOLUBILITY IN WATER: Insoluble

VOLATILES: None

SECTION 10 REACTIVITY / STABILITY HAZARD DATA

STABILITY: This material is stable under recommended storage and handling conditions.

CONDITIONS TO AVOID: Prevent dispersion of dust in air.

INCOMPATIBILITY: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: None

SECTION 11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA:

Inhalation Effects: Rat Inhalation TC(LO) = 11 mg/m³ administered intermittently over a year produces a toxic effect.

Dermal Effects: Rat, Implant, TD(LO) = 200 mg/m³ Human, skin 300 micrograms administered intermittently over a three day period produces mild irritation.

Eye Effects: None known



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Ingestion Effects: None known

CARCINOGENICITY (Talc):

IARC: Not classifiable as a human carcinogen

OSHA: Not listed

ACGIH: A4- not classifiable as a human carcinogen

NTP: Not listed

SECTION 12 ECOLOGICAL INFORMATION

No information is currently available on this material.

SECTION 13 DISPOSAL CONSIDERATIONS

If material becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261 as supplied. Dispose of this material in accordance with all applicable federal, state, provincial, and local laws and regulations.

SECTION 14 TRANSPORTATION INFORMATION

Product is not regulated by US Department of Transportation or any other known transportation agencies. Transport this product in accordance with all applicable laws and regulations. Tariff Classification: Talc 2526.20

SECTION 15 REGULATORY INFORMATION

This Material Safety Data Sheet has been formatted to the best of our ability in accordance with American National Standards Institute (ANSI), European Communities (EC), and contains hazard criteria and all information required by the Canadian Controlled Products Regulation (CPR) in regard to this product.

Canadian WHMIS: Class D, Division 2, Subdivision B

California Proposition 65 RTK: Talc may contain the following regulated chemicals: Crystalline Silica 1.0% Maximum; Arsenic 2ppm; Cadmium 2ppm; Chromium 0.5 ppm; Mercury 0.5 ppm; Lead 5 ppm. These chemicals are present as impurities and occur as a result of their natural presence in the ore from which the talc is produced.

Clean Air Act- Hazardous Air Pollutants (HAP): This product and its components do not contain any Hazardous Air Pollutants.

Clean Air Act – Ozone Depleting Substances (ODS): This product does not contain any Ozone Depleting Substances.

Clean Water Act – Priority Pollutants (PP): This product and its components do not contain Priority Pollutants.

Coalition of Northeastern Governors (CONEG): There are no cadmium, Hexavalent chromium, lead or mercury additives. This product incidentally contains only trace amount of these metals, far below the 100 ppm threshold level.

Global Inventory Status: This product is listed or exempt on the Australian Core Inventory of Chemical Services (AOCIN), Canadian Domestic Substance List (DSL), European Inventory of Existing Commercial Substances (EINECS), Korean list of Existing Chemical Substances (LECS), Japanese Ministry of International Trade and Industry (MITI)

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:

Section 302 – Extremely Hazardous Substances (EHS): None

Section 304 – CERCLA Hazardous Substances: None

Section 311/312 – Hazard Categories: Immediate (Acute) Health hazard.

Section 313 – Toxic Chemicals: None

Toxic Substances Control Act (TSCA) Section 8(b) – Inventory Status: All chemicals in this product are TSCA listed.

SECTION 16 OTHER INFORMATION

HMIS® ratings are a registered trade and service mark of the National Paint and Coatings Association with the following scale:

* = Chronic health effect

4 = Severe Hazard

3 = Serious Hazard

2 = Moderate Hazard

1 = Slight Hazard

0 = Minimal Hazard

PPE Index

A = Safety Glasses

B = Safety Glasses and Gloves

C = Safety Glasses, Gloves and Protective Apron

D = Face Shield, Gloves and Protective Apron

E = Safety Glasses, Gloves and Respirator



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Definitions

TWA – Time Weighted Average

TLV – Threshold Limit Value

STEL – Short Term Exposure Limit

CAS# - Chemical Abstract Service Number

NTP – National Toxicology Program

PEL – Permissible Exposure Limit

IARC - International Agency for Research on Cancer

ANSI – American National Standards Institute

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Disclaimer: To the best of our knowledge, the product information contained herein is based upon data believed to be reliable, however Nor-Cote makes no warranty and disclaims any liability whatsoever for its accuracy or completeness. Since the actual use of the product is beyond our control, no guarantee expressed or implied, is made by Nor-Cote as to the effects of such uses nor does Nor-Cote assume liability arising out of the use of this product by others. It remains the responsibility of the user to ensure that the use of the product herein is in accordance with all applicable laws and regulations.