



# Safety Data Sheet

## 1. IDENTIFICATION

**Product Code**.....TAS

**Product Name**.....Tinta' Seal™

**Product Use** .....Solvent-based sealer tinting pack

**Manufacturer** .....BRICKFORM, A Division of Solomon Colors, Inc.

**Address** .....360 S Lilac Avenue

**City, State, Zip**.....Rialto, CA 92376

**Emergency Phone** ....800-373-7542

**Business Phone** .....909-484-3399

**Business Fax**.....217-744-2605

**Last Updated** .....February 3, 2014

## 2. HAZARDS IDENTIFICATION

**Emergency overview**

**Appearance:** Liquid

**Color:** White, Black, Red, Green, blue, and yellow, blends of colors.

**Odor:** Nearly odorless

### WARNING

H302 - Harmful if swallowed.

H315: Causes skin irritation

H320: Causes Eye irritation

H332: Harmful if inhaled



### WARNING

Harmful by inhalation and if swallowed

Irritating to respiratory system

May cause slight eye irritation

May cause skin irritation and/or dermatitis

CONTAINS TITANIUM DIOXIDE WHICH MAY CAUSE CANCER

Risk of cancer depends on level and duration of exposure

Long term exposure to airborne concentrations may cause lung damage

### Potential Health effects:

**Eye contact:** May cause slight eye irritation. Signs and symptoms include burning, tearing, redness and swelling.

**Skin contact:** May cause skin irritation and/or dermatitis.

**Inhalation:** Harmful by inhalation. Irritating to respiratory system.

**Routes of exposure:** Inhalation, Skin, Ingestion

**Ingestion:** Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Target organs:** Lungs

**See sections 11 and 12 for additional toxicological and ecological information**

**Environmental hazard:** See section 12, below

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	Chemical Name	Weight %
Titanium dioxide	13463-67-7	50 -100%
Isotridecylalcohol, ethoxylated, phosphated, compd. with N,Ndimethylcyclohexanamine	164383-18-0	2.5 - 10%
Carbon Black	1333-86-4 2	5 - 50%
Phosphoric Ester Salt	Proprietary	2.5 - 10%
Iron oxide	1309-37-1	50 - 100%
2-Ethylhexanol	104-76-7	< 2.5%

This product is considered hazardous as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

#### 4. FIRST AID MEASURES

**Inhalation:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen.

**Skin contact:** If a person feels unwell or symptoms of skin irritation appear, consult a physician. Wash off immediately with soap and plenty of water.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

**Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

#### 5. FIRE FIGHTING MEASURES

**Flash point:** 230 °F / 110 °C

**Flash point method:** ASTM D3278

**Autoignition temperature:** Not selfigniting

**Unusual Fire and Explosion Hazards:** Emits toxic fumes under fire conditions.

**Reactivity Hazard:** None known

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Hazardous combustion products:** Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>).

**Special Fire Fighting Procedure:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**Clean-up methods:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Prevent product from entering drains. Clean spill area thoroughly. Local authorities should be advised if significant spillages cannot be contained.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Avoid breathing mists, dusts, or vapors. Wash hands thoroughly after handling.

**Storage:** Keep containers tightly closed in a cool, well-ventilated place. Keep product and empty container away from heat and sources of ignition.

**Additional storage:** Not required under normal use.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering measures:** Maintain adequate ventilation to keep hazardous ingredients below their PELs or TLVs. Use NIOSH/MSHA approved respirator whenever exposure limits exceeded.

##### Personal Protective Equipment

**Eye protection:** Safety glasses

**Skin and body protection:** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place

**Respiratory protection:** In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

**Hand protection:** Protective gloves, Neoprene gloves

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

##### Exposure Controls

Components	OSHA STEL	OSHA PEL	OSHA TWA	ACGIH STEL	ACGIH TWA
Titanium dioxide		15 mg/m <sup>3</sup> (total dust)	15 mg/m <sup>3</sup> (total dust)		10 mg/m <sup>3</sup> (total dust)
Carbon Black		3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>		3 mg/m <sup>3</sup>
Iron oxide		10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Liquid  
**Color:** Blend of White, Black, Red, Yellow, blue and green  
**Odor:** Nearly odorless  
**Physical state:** Liquid  
**pH:** 8.0 - 10.0  
**Solubility:** Water insoluble  
**Density:** 1.8 g/cm<sup>3</sup>  
**Bulk density:** 15.4 lbs/gal  
**Flash Point:** 230 °F / 110 °C  
**Solvent content:**  
     **Percent Volatile:** < 5 %  
     **Water content:** 0.0 %

**10. STABILITY AND REACTIVITY**

**Stability:** Stable at normal conditions  
**Conditions to avoid:** Heat, flames and sparks  
**Materials to avoid:** Oxidizing agents  
**Hazardous decomposition products:** No decomposition if stored normally  
**Possibility of Hazardous Reactions:** Will not occur

**11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

Components	LC50/inhalation/4h/Rat	LD50/Dermal/Rat	LD50/Oral/Rat
Titanium dioxide	>100 µg/kg	>10 g/m <sup>3</sup>	>24 g/kg
Isotridecylalcohol, ethoxylated, phosphated, compd. with N,Ndimethylecyclohexanamine	No data available	No data available	> 2500 mg/kg (rat; OECD 423)
Carbon Black	No data available	> 3000 mg/kg	>15400 mg/kg

**Local effects**

**Skin irritation:** May cause skin irritation and/or dermatitis.  
**Eye irritation:** Contact with eyes may cause irritation.  
**Inhalation:** May cause irritation of respiratory tract.  
**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
**Chronic toxicity:** Long-term chronic toxicity studies to evaluate the carcinogenic potential of this product have not been conducted; See table and/or data, below, of individual components

Components	NTP	IARC	OSHA
Titanium dioxide		Group 2B - Possibly Carcinogenic to Humans	Present
Carbon Black		Group 2B - Possibly Carcinogenic to Humans	Present

**Specific effects**

**Carcinogenic effects:**

Titanium Dioxide showed an increased incidence of lung cancer in rats of both sexes if inhaled at high concentrations. In a re-evaluation, the IARC group has reclassified Titanium Dioxide (TiO<sub>2</sub>) as an group 2B carcinogen - possible carcinogen to humans.

**Target Organs:** Lungs

**12. ECOLOGICAL INFORMATION**

**Aquatic toxicity**

Components	LC50/96hr/48hr/24hr	EC50/96hr/48hr/24hr	Bioaccumulation concentration factor	No observable effect Concentration/96hr/48hr/24hr (NOEC)
Titanium dioxide	>1000 mg/L (fathead minnows)	No data available	No data available	No data available
Isotridecylalcohol, ethoxylated, phosphated, compd. with N,Ndimethyle cyclohexanamine	1 - 10 mg/L (rainbow trout; 96hrs)	No data available	No data available	No data available
Carbon Black	No data available	5600 mg/L (Daphnia magna; 24hr)	No data available	No data available

**Persistence and degradability:** No data available

**Environmental Fate and Pathways**

**Mobility:** No data available

**Biodegradability:** No data available

**Bioaccumulative potential:** No data available

**Physical / Chemical:** No data available

**BOD/COD**

**COD-value:** No data available

**BOD5-value:** No data available

**13. DISPOSAL CONSIDERATIONS**

**Waste from residues / unused products:** Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with Local and National regulations.

**RCRA Hazardous Waste:**

RCRA: Not listed

**14. TRANSPORT INFORMATION**

**U.S. Department of Transportation Ground (49 CFR):**

Proper shipping name: Not regulated

**International Air Transportation (ICAO/IATA):**

Proper shipping name: Not regulated

**International Maritime Organization (IMO/IMDG):**

Proper shipping name: Not regulated

**Surface Shipments in Europe (ADR/RID):**

Proper shipping name: Not regulated

**15. REGULATORY INFORMATION**

**Heavy metals:**

Heavy metal content (ppm): Not applicable

**International Inventories**

TSCA/ (USA) Listed

DSL/ (CANADA) Not Listed

ENCS/ (JAPAN) Not Listed

PICCS/ (PHILLIPINES) Listed

AICS/ (AUSTRALIA) Not Listed

EINECS/ (EU) Not Listed

NDSL/ (CANADA) Listed

IECSC/ (CHINA) Listed

KECL (KOREA) Not Listed

HSNO/ New Zealand Listed

# BRICKFORM

## Safety Data Sheet

BRICKFORM Tinta' Seal  
Last Updated February 3, 2014

### U.S Regulations

#### **TSCA Section 12(b) Export Notification**

Isotridecylalcohol, ethoxylated, phosphated, compd. with N,N-dimethylecyclohexanamine (CAS # 164383-18-0)

Listed, Section 5

#### **SARA Title III:**

Section 302 EHS: None

Section 311/312: Chronic Health Hazard

Section 313: Not listed

**California Prop. 65:** Not listed

### Canada

**WHMIS hazard class:** D2A Possible, probable or known human carcinogen according to classifications by IARC or ACGIH.

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

HMIS:

Health: 1 \*

Flammability: 1

Reactivity: 0

#### **Key/Legend:**

N/A: Not applicable

N/D: Not determined

ppm: Parts per million

X: Listed

Date of Preparation: February 3, 2014

Prepared by: Solomon Colors, Inc.

□  
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