

Material Safety Data Sheet

COLORSPRAY TINT CHARCOAL

1. Product and company identification

Product name	: COLORSPRAY TINT CHARCOAL
Supplier	: Monoglass Inc. 1200 W. 73rd Ave.,#922 Vancouver, BC Canada V6P 6G5 Tel: (604)261-7712 Fax: (604)261-1342 info@monoglass.com
Synonym	: Pigments dispersion.
Trade name	: Not available.
Material uses	: Industrial applications: Pigments
Manufacturer	: Proprietary
Code	: 8550007100HR
Validation date	: 10 February 2014
Print date	: 10 February 2014
Responsible name	: Company
<u>In case of emergency</u>	: Canada: 613-996-6666 (Canutec) United States: 800-424-9300 (Chemtrec)
Product type	: Liquid.

2. Hazards identification

Physical state	: Liquid.
Odor	: Ammoniacal.
Emergency overview	: MAY CAUSE EYE AND SKIN IRRITATION. Slightly irritating to the eyes and skin. Avoid breathing vapor or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.
Routes of entry	: Dermal contact. Eye contact. Ingestion.
<u>Potential acute health effects</u>	
Inhalation	: Inhalation not likely under normal use conditions.
Ingestion	: No known significant effects or critical hazards.
Skin	: Slightly irritating to the skin.
Eyes	: Slightly irritating to the eyes.
<u>Potential chronic health effects</u>	
Carcinogenicity	: Pigment Black 7 in free form (unbound) airborne and at particle size less than 10 microns is listed as a Group 2B, possibly carcinogenic to humans by IARC. Pigment Black 7 used in this product is bounded and not considered equivalent to IARC condition as a carcinogen.
<u>Over-exposure signs/symptoms</u>	
Skin	: Adverse symptoms may include the following: -irritation -redness
Eyes	: Adverse symptoms may include the following: -irritation -watering -redness
Medical conditions aggravated by over-exposure	: None known.

See toxicological information (section 11)

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
C.I.Pigment Black 7	1333-86-4	

4. First aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5. Fire-fighting measures

- Flash point** : Closed cup: Higher than 93.3°C (200°F).
- Flammability of the product** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Special remarks on fire hazards** : Not available.
- Special remarks on explosion hazards** : Not available.

6. Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up**

6 . Accidental release measures

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7 . Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 . Exposure controls/personal protection

Product name

C.I.Pigment Black 7

Exposure limits

CA Quebec Provincial (Canada, 6/2008).

TWAEV: 3.5 mg/m³ 8 hour(s).

Consult local authorities for acceptable exposure limits.

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Personal protection**
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

8 . Exposure controls/personal protection

- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Recommended: splash goggles
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Recommended: lab coat
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Other protection** : If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Wear appropriate respirator when ventilation is inadequate.
- Personal protective equipment (Pictograms)** :



9 . Physical and chemical properties

- Physical state** : Liquid.
- Flash point** : Closed cup: Higher than 93.3°C (200°F).
- Auto-ignition temperature** : Not available.
- Flammable limits** : Not available.
- Color** : Black.
- Odor** : Ammoniacal.
- Taste** : Not available.
- Molecular weight** : Not applicable.
- Molecular formula** : Not applicable.
- pH** : 8.8 to 9.5 [Basic.]
- Boiling/condensation point** : 100°C (212°F)
- Melting/freezing point** : 0°C (32°F)
- Critical temperature** : Not available.
- Relative density** : 1.17 (Water = 1)
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Volatility** : Not available.
- Odor threshold** : Not available.
- Evaporation rate** : Not available.
- VOC** : 1.48 %
- Viscosity** : Not available.
- Ionicity (in water)** : Not available.
- Dispersibility properties** : See solubility in the following materials: water.
- Solubility** : Soluble
- Physical/chemical properties comments** : Not available.

10 . Stability and reactivity

- Stability** : The product is stable.
- Hazardous polymerization** : Under normal conditions of storage and use, hazardous polymerization will not occur.
- Conditions to avoid** : No specific data.
- Materials to avoid** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Conditions of reactivity** : Not available.
Not available.

11 . Toxicological information

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
C.I.Pigment Black 7	LD50 Dermal	Rabbit	>3 g/kg	-
	LD50 Oral	Rat	>15400 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

Chronic toxicity

- Conclusion/Summary** : C.I.Pigment Black 7: Pigment Black 7 in free form (unbound) airborne and at particle size less than 10 microns is listed as a Group 2B, possibly carcinogenic to humans by IARC. Pigment Black 7 used in this product is bounded and not considered equivalent to IARC condition as a carcinogen.

Carcinogenicity

- Conclusion/Summary** : C.I.Pigment Black 7: Pigment Black 7 in free form (unbound) airborne and at particle size less than 10 microns is listed as a Group 2B, possibly carcinogenic to humans by IARC. Pigment Black 7 used in this product is bounded and not considered equivalent to IARC condition as a carcinogen.

OSHA

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
C.I.Pigment Black 7	A4	2B	-	+	-	-

- Synergistic products** : Not available.

12 . Ecological information

- Environmental effects** : No known significant effects or critical hazards.
- Other adverse effects** : No known significant effects or critical hazards.

13 . Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Waste stream** : Not available.
- RCRA classification** : Not available.

Refer to Section 7: **HANDLING AND STORAGE** and Section 8: **EXPOSURE CONTROLS/PERSONAL PROTECTION** for additional handling information and protection of employees.

14 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

PG* : Packing group

15 . Regulatory information

WHMIS (Canada) : Class D-2A: Material causing other toxic effects (Very toxic).

WHMIS (Pictograms) :



Canadian lists

: **Alberta Designated Substances:** None of the components are listed.
Canadian ARET: None of the components are listed.
CEPA Toxic substances: None of the components are listed.
Canadian NPRI: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

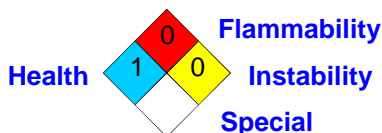
Canada DSL

: **Canada inventory:** All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16 . Other information

National Fire Protection Association (U.S.A.) :



References : - Manufacturer's Material Safety Data Sheet.

Other special considerations : Not available.

Date of printing : 10 February 2014

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☑ Indicates information that has changed from previously issued version.

[Notice to reader](#)

16 . Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.