

MATERIAL SAFETY DATA SHEET

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SECTION I - MATERIAL IDENTIFICATION AND USE

Product (Name/Identifier)			Cloud Grey SAE 30503		
Manufacturer's Name			Supplier's Name		
Starco Concentrates Inc.			Starco Concentrates Inc.		
Address			Telephone Number		
12335 April St., Montreal, Quebec H1B 5L8			(514) 645-9559		
Chemical Name		Chemical Family		Chemical Formula	
Polystyrene Compound		Styrene-acrylonitrile copolymer with pigments and/or additives		Proprietary mixture	
Molecular Weight		Trade Name and Synonyms		Material Use	
Not applicable		Colour/Additive concentrate, Colour/Additive masterbatch		Colouration/Modification of Styrenic polymers/Copolymers	

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CONCENTRATION (%)	C.A.S. NUMBER	"EXPOSURE LIMITS"	LD <sub>50</sub> / LC <sub>50</sub> SPECIES AND ROUTE
1.Titanium Dioxide	30 - 60	13463-67-7		
WHMIS CLASSIFICATION: D2B – TOXIC MATERIAL CAUSING OTHER EFFECTS.				
THIS ADDITIVE IS CONTAINED WITHIN A POLYMER MATRIX. UNDER NORMAL CONDITIONS OF USE, EXPOSURE TO THIS MATERIAL IS EXPECTED TO BE MINIMAL.				

SECTION III - PHYSICAL DATA

Physical State		Odour and Appearance		Odour Threshold (ppm)		Specific Gravity (g/cm <sup>3</sup> )	
Solid [x] Liquid [ ] Gas [ ]		Grey pellets with very slight odour		Not available		1.52	
Vapour Pressure (mm Hg)		Vapour Density (Air = 1)		Evaporation Rate		Boiling Point (°C)	
Not available		Not available		Negligible		Not available	
Freezing Point (°C)		pH		Coefficient of water/oil Distribution		Not applicable	
Not applicable		Not applicable		Not applicable		Not applicable	
Solubility in H <sub>2</sub> O (20°C)		% Volatile (by volume)		Not applicable		Not applicable	
Negligible		Not available		Not applicable		Not applicable	

SECTION IV - FIRE AND EXPLOSION DATA

Flammability Yes [x] No [ ]	If yes, under which conditions? If put in contact with open flame.		
Means of Extinction	Water spray, Water fog, Foam, Carbon dioxide, Dry chemicals.		
Special Procedures	None.		
Flashpoint (°C) and Method Not available	Upper Explosion Limit (% by volume) Not applicable	Lower Explosion Limit (% by volume) Not applicable	
Auto Ignition Temperature (°C) Not available	TDG Flammability Classification None	Hazardous Combustion Products CO, CO <sub>2</sub> , styrene fragments and small amounts of organic vapours	
Explosive Power Not applicable	Sensitivity to Chemical Impact Not applicable	Sensitivity to Static Discharge Not applicable	

SECTION V - REACTIVITY DATA

Chemical Stability	If no, under which conditions?
Yes [x] No [ ]	
Incompatibility to other substances	If yes, which ones?
Yes [ ] No [x]	
Reactivity, and under what conditions?	With strong oxidizers when excessively heated
Hazardous Decomposition Products	CO, CO <sub>2</sub> , styrene fragments and small amounts of organic vapours

Cloud Grey SAE 30503

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry (in normal industrial use):  
Skin Contact [ ]      Skin Absorption [ ]      Eye Contact [ ]      Inhalation [x]      Ingestion [ ]

Effects of Acute Exposure to Product  
Not acutely toxic at room temperature. Exposure to combustion products may irritate eyes and respiratory tract.

Effects of Chronic Exposure to Product  
Not available

LD<sub>50</sub> of Product (Specify Species and Route)      Irritancy of Product      Exposure Limits of Product  
Not available      No Evidence      Not available

LC<sub>50</sub> of Product (Specify Species)      Sensitization to Product      Synergistic Materials  
Not available      No Evidence      Not applicable

Carcinogenicity      Reproductive Effects      Teratogenicity      Mutagenicity  
Not available      Not available      Not available      Not available

SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment:  
Gloves (Specify)      Respiratory (Specify)      Eye (Specify)      Footwear (Specify)  
For hot material      Not needed      Safety glasses      No special requirements

Clothing (Specify)      Other (Specify)  
Ordinary work Clothes      Vapours mask may be required during processing in poorly ventilated areas or if exposed to combustion products.

Engineering Controls (eg. Ventilation, Enclosed Process; Specify)  
Local exhaust ventilation sufficient to control vapours during heat processing.

Leak and Spill Procedure  
Stop source of spill. Sweep up and reuse if possible.

Waste Disposal  
Recycle if possible. Landfill or incinerate in accordance with local disposal codes and regulations.

Handling Procedures and Equipment  
Not required

Storage Requirements  
Store under clean, dry conditions, away from excessive heat, flame and strong oxidants.

SECTION VIII – FIRST AID MEASURES

Skin  
Do not touch while molten. If contact occurs, cool rapidly with water, and if necessary seek medical attention for burn.

Eye  
Flush pellet from eye with large amount of water. If eyes come into contact with molten plastic, Seek medical attention.

Inhalation  
Exposure to combustion products may irritate the respiratory tract. Remove to fresh air and seek medical attention if necessary.

Ingestion  
Not a probable route of entry. If any symptom or irritation persists, contact a physician.

General Advice  
None.

SECTION IX – TRANSPORT INFORMATION

DOT (Department of Transportation)/Special Shipping Notes:

This product is not regulated by the International Maritime Organization (IMO), the International Air Transport Association (IATA), the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), the International Carriage of Dangerous Goods by Rail (RID), the Canadian Transportation of Dangerous Goods or by any department of transportation.

SECTION X – REGULATORY INFORMATION

International Inventories:

U.S. E.P.A. TSCA: All materials in this product appear on the E.P.A. TSCA inventory.  
Canada DSL: All materials in this product appear on the DSL.

**Cloud Grey SAE 30503****SECTION XI - INFORMATION ON THE PREPARATION OF THIS MSDS**

Prepared By	Michel Isabelle Chemist	Phone Number (514) 645-9559	Date (last revision) April 2014
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Sources Used	CCOHS literature and suppliers' MSDSs.
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*To the best of Starco Concentrates' knowledge, the aforementioned information is accurate as of the date of preparation. However, since the conditions of use of this product are not within the control of Starco Concentrates, it is the user's responsibility to determine the suitability of this product for his particular purpose. Starco Concentrates assumes no obligation or liability regarding the accuracy of this data, or the results to be obtained from their use.*