

MATERIAL SAFETY DATA SHEET**1. PRODUCT and COMPANY INFORMATION**

PRODUCT	CONTAX – OXIDE INHIBITING COMPOUND	EMERGENCY TELEPHONE NUMBER	CHEMTREC: 800-424-9300
CATALOG NUMBERS	CTA, CTA-1, CTB, CTB8, CTG, CTQ	TELEPHONE NUMBER FOR INFORMATION	901-252-5000 ext. 8324
MANUFACTURER / SUPPLIER	THOMAS & BETTS CORPORATION	DATE OF PREPARATION or REVISION	May 15, 2013
ADDRESS	8155 T & B BOULEVARD, MEMPHIS, TENNESSEE 38125		

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS #	Percent
Carbon black	1333-86-4	> 0.5
Dimethyl silicone polymer with silica	67762-90-7	8 - 12
Urethane polymer of castor oil	70024-98-5	82 - 92

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

3. HAZARDS IDENTIFICATION

Physical state Not available.

Appearance Thick fluid.

Emergency overview CAUTION

May cause skin and eye irritation.

OSHA regulatory status This product is hazardous according to OSHA 29 CFR 1910.1200.

Potential health effects

Routes of exposure Skin contact. Eye contact.

Eyes May cause eye irritation.

Skin May cause skin irritation. Prolonged contact may cause dryness of the skin.

Inhalation May cause respiratory tract irritation.

Ingestion May cause discomfort if swallowed.

Target organs Eyes. Skin. Gastrointestinal tract.

Potential environmental effects May cause long-term adverse effects in the environment.

4. FIRST AID MEASURES

First aid procedures

Eye contact Immediately flush with plenty of water for at least 15 minutes occasionally lifting upper and lower eyelids. If easy to do, remove contact lenses. Get medical attention if irritation develops and persists.

Skin contact Wash area with soap and water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

Inhalation If symptomatic, move to fresh air. Call a physician if symptoms develop or persist.

Ingestion Seek medical advice.

Notes to physician Treat symptomatically. Symptoms may be delayed.

5. FIRE FIGHTING MEASURES

Flammable properties Not flammable by OSHA criteria. Not flammable by WHMIS criteria.

Extinguishing media Suitable extinguishing media Water spray. Foam. Dry powder. Carbon dioxide (CO₂).

Protection of firefighters

Protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Containers close to fire should be removed or cooled with water.

Firefighting equipment/instructions Keep upwind. Use standard firefighting procedures and consider the hazards of other involved materials.

Specific methods Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

Hazardous combustion products Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions Keep unnecessary personnel away. Wear suitable protective clothing, gloves and eye/face protection. For personal protection, see Section 8 of the MSDS.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Absorb spillage with non-combustible, absorbent material. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up Sweep or scoop up and remove. Ventilate the area.

Other information Clean up in accordance with all applicable regulations.

7. HANDLING and STORAGE

Handling Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Do not breathe dust/fume/gas/mist/vapors/spray. Wear necessary protective equipment. Do not eat, drink or smoke when using the product. Observe good industrial hygiene practices.

Storage Keep out of the reach of children. Keep container tightly closed. Store in a cool place. Store away from incompatible materials.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Carbon black (CAS1333-86-4)	TWA	3 mg/m3	Inhalable fraction.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Carbon black (CAS1333-86-4)	PEL	3.5 mg/m3	

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Carbon black (CAS1333-86-4)	TWA	3.5 mg/m3	

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Carbon black (CAS1333-86-4)	TWA	3.5 mg/m3	Inhalable

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
Carbon black (CAS1333-86-4)	TWA	3.5 mg/m3	

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value	Form
Carbon black (CAS1333-86-4)	TWA	3.5 mg/m3	

Mexico. Occupational Exposure Limit Values

Components	Type	Value	Form
Carbon black (CAS1333-86-4)	STEL	7 mg/m3	
	TWA	3.5 mg/m3	

Engineering controls No special requirements under ordinary conditions of use and with adequate ventilation.

Personal protective equipment

Eye / face protection Wear safety glasses with side shields (or goggles).

Skin protection For prolonged or repeated skin contact use suitable protective gloves.

Respiratory protection Minimize breathing vapor, mist or fumes.

General hygiene considerations When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL and CHEMICAL PROPERTIES

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Appearance Thick fluid.
Physical state Not available.
Form Thick liquid.
Color Black.
Odor Mild odor.
Odor threshold Not available.
pH Not available.
Vapor pressure > 1 (Air = 1)
Vapor density Not available.
Boiling point Not available.
Melting point/Freezing point Not available.
Solubility (water) Insoluble
Specific gravity 0.9 (water = 1)
Flash point > 500.0 °F (> 260.0 °C)
Flammability limits in air, upper, % by volume Not available.
Flammability limits in air, lower, % by volume Not available.
Auto-ignition temperature > 500 °F (> 260 °C)

10. STABILITY and REACTIVITY

Chemical stability Material is stable under normal conditions.
Conditions to avoid Heat, flames and sparks. The product can accumulate electrostatic charges, which may cause an electrical spark (ignition source). Use proper grounding procedures.
Incompatible materials Strong inorganic acids. Organic acids. Strong oxidizing agents.
Hazardous decomposition products Burning generates smoke, airborne soot, hydrocarbons, and oxides of carbon. Residue mainly comprised of soot and metal oxides.
Possibility of hazardous reactions Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Sensitization Not available.
Acute effects May cause eye irritation. Prolonged or repeated skin contact may cause irritation. Ingestion may cause irritation and malaise.
Carcinogenicity
ACGIH Carcinogens Carbon black (CAS 1333-86-4) A3 Confirmed animal carcinogen with unknown relevance to humans.
IARC Monographs. Overall Evaluation of Carcinogenicity Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.
Epidemiology No epidemiological data is available for this product.
Mutagenicity No data available.
Neurological effects No data available.
Reproductive effects No data available.
Teratogenicity No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity May cause long-term adverse effects in the environment.
Environmental effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability No data is available on the degradability of this product.
Bioaccumulation / Accumulation The product is not expected to bioaccumulate.

13. DISPOSAL CONSIDERATION

Disposal instructions Do not allow this material to drain into sewers/water supplies.
Contaminated packaging Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT
Not regulated as a hazardous material by DOT.
IATA
Not regulated as dangerous goods.
IMDG
Not regulated as dangerous goods.
TDG
Not regulated as dangerous goods.

15. REGULATORY INFORMATION

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US federal regulations This product is hazardous according to OSHA 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4) None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A) No

SARA 311/312 Hazardous chemical No

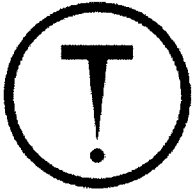
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Not controlled

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status Controlled

WHMIS classification D2A - Other Toxic Effects-VERY TOXIC, D2B - Other Toxic Effects-TOXIC

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s)

State regulations

US - California Hazardous Substances (Director's): Listed substance

Carbon black (CAS 1333-86-4) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Carbon black (CAS 1333-86-4) Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Carbon black (CAS 1333-86-4) Listed: February 21, 2003 Carcinogenic.

US - New Jersey RTK - Substances: Listed substance

Carbon black (CAS 1333-86-4) Listed.

US. Massachusetts RTK - Substance List

Carbon black (CAS 1333-86-4) Listed.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Carbon black (CAS 1333-86-4) Listed.

Mexico regulations This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

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16. OTHER INFORMATION

Recommended restrictions Use in accordance with supplier's recommendations.

	HMIS	NFPA	KEY
HEALTH	1	1	4 = SEVERE
FLAMMABILITY	1	1	3 = SERIOUS
INSTABILITY		0	2 = MODERATE
PHYSICAL HAZARD	0		1 = SLIGHT
PERSONAL PROTECTION	B		0 = MINIMAL

Revision summary 11

Supersedes issue date March 24, 2010

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