

MATERIAL SAFETY DATA SHEET

Product Code: **D013144** **TOTAL CHROME FREE**

SECTION 1 - MANUFACTURER IDENTIFICATION

Name of Product: TOTAL CHROME FREE
Product code: D013144
Product Usage: Lithographic Fountain Concentrate
WHMIS Code: D2A
Manufacturer's Name: Day International Chemical Products Div.
 130 West Second Street, Suite 1700
 Dayton, Ohio 45402
Emergency Phone: 800-424-9300 CHEMTREC®
Information Phone: 800-336-8276
Name of Preparer: Day Chemical Prod. Div

Date Revised: 02/06/2010
Date Printed: 2/6/2010

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

SECTION 2 - HAZARDOUS INGREDIENTS

Component	CAS Number	Vapor Pressure kPa @ Temp	Weight Percent
*Non-Hazardous Water Dissociable Nitrates			4.8%
*Ethylene Glycol <small>OSHA PEL: N/E, ACGIH® TLV®: 100mg/M3 Ceiling, Oral LD50 (Rat): 4700mg/Kg</small>	107-21-1	0.12 20°C	4.5%
Diethylene Glycol Ethyl Ether <small>OSHA PEL: N/E, ACGIH® TLV®: N/E, Oral LD50 (Rat): 6500 mg/Kg</small>	111-90-0	0.01 20°C	2.9%
*Cobalt Nitrate <small>OSHA PEL: N/E, ACGIH® TLV®: 0.02 mg/meter³, ORAL LD50 (RAT): 434 mg/Kg</small>	10141-05-6	N/AV N/AV	0.5%

* Indicates chemical(s) which may be subject to reporting on the National Pollutant Release Inventory under Section 16 of the Canadian Environmental Protection Act

All ingredients listed on CEPA Doemstic Substance List (DSL) and US EPA TSCA inventory. N/E = Not Established, N/AV = Not Available

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE / POINT: >100°C
VAPOR DENSITY: Heavier Than Air
EVAPORATION RATE: Slower Than Water
V.O.C. (EPA METHOD 24) g/l: 86
SOLUBILITY IN WATER: 100%
APPEARANCE AND ODOR: Orange Liquid - Mild Odour
FREEZING POINT: < 0°C
COEFFICIENT OF WATER/OIL DIST: N/A
SPECIFIC GRAVITY (H2O=1): 1.14
pH: >3
ODOUR THRESHOLD: > 50 ppm

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT: None
METHOD USED: TAG CC
FLAMMABLE LIMITS IN AIR BY VOLUME:
LOWER: N/A
UPPER: N/A
T.D.G.R.CLASS: Not Regulated.

EXTINGUISHING MEDIA:

Use any extinguishing media.

SPECIAL FIREFIGHTING PROCEDURES:

Under normal conditions product does not support combustion. In the event of a fire, use extinguishing media noted above.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None Known.

SENSITIVITY TO IMPACT:

This product is not sensitive to impact.

SENSITIVITY TO STATIC DISCHARGE:

This product is not sensitive to static discharge.

SECTION 5 - REACTIVITY DATA

STABILITY:

Stable

CONDITIONS TO AVOID:

Avoid conditions of excess heat to prolong shelf life.

INCOMPATIBILITY (MATERIALS TO AVOID):

Avoid mixing with strong oxidizers.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

None Known.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 6 - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Not an inhalation hazard in normal industrial use.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Skin and eye contact may cause mild to moderate irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

This product is not considered to be toxic through skin absorption.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Ingredients in this product are toxic. Ingestion may cause nausea, severe gastro-intestinal irritation, diarrhea and possible damage to vital organs. Follow first aid procedures.

HEALTH HAZARDS (ACUTE AND CHRONIC):

This product may cause mild to moderate irritation upon contact with eyes and mild irritation to skin. No chronic effects are known or expected.

CARCINOGENICITY NTP CARCINOGEN: No
IARC CARCINOGEN: No
OSHA CARCINOGEN: No

IARC states that Cobalt compounds are possible carcinogenic to humans 2B (IARC Monograph Volume 52).

TERATOGENICITY:

Ethylene glycol has been identified as a probable birth defect hazard based on laboratory animal data.

MUTAGENICITY:

- This product contains no chemicals known to cause damage to chromosomes.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS::

There is no data available.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Skin contact may aggravate pre-existing dermatitis.

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush eyes with plenty of water while removing contact lenses. Hold eyelids open and continue flushing with water for 15 minutes. Seek medical attention if irritation persists. **SKIN:** Wash with soap and water. **INHALATION:** Not a normal route of entry. **INGESTION:** If victim is conscious, induce vomiting as directed by medical personnel. Obtain medical attention immediately.

SECTION 8 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Clean up small spills with soap, water, and a mop. Large spills should be diked and kept from entering the sewer. Soak up with absorbent or transfer liquid into a closed container for later disposal.

WASTE DISPOSAL METHOD:

Diluted material may meet sewer disposal guidelines in some localities. Do not pour undiluted concentrate, as supplied, down sewer. Contact local sewer authorities before disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in a cool, dry area away from sunlight and excess heat. Protect from freezing. Avoid skin and eye contact.

OTHER PRECAUTIONS:

When transferring or using this product, wear proper personal protective equipment.

SECTION 9 - CONTROL MEASURES

RESPIRATORY PROTECTION:

No special protection is required under normal conditions of use.

VENTILATION:

No special ventilation is required.

PROTECTIVE GLOVES:

Not necessary for normal use. For excessive exposure wear butyl or nitrile rubber gloves.

EYE PROTECTION:

Wear safety glasses with side shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A personal protective rating of X means you must see your supervisor for guidance. WHMIS regulations require employers to evaluate personal protective equipment requirements in the workplace.

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WORK/HYGIENIC PRACTICES:

Wash with soap and water after handling product.

DISCLAIMER

The information on this MSDS is believed to be accurate as of the date shown in Section 1. Since the use of this product is not under the control of DAY Chemical Products Division, it is the user's responsibility to determine what constitutes safe usage for a particular product. This form may be reproduced in quantities necessary to meet your requirements.