

MATERIAL SAFETY DATA SHEET

I - IDENTIFICATION			
CHEMICAL NAME OCP 1175	CHEMICAL FORMULA Trade Secret (Other)	MOLECULAR WEIGHT N/A	
COMPANY NAME Tyler Chemicals LTD		ADDRESS Box 2176, Brooks, Ab T1R 1C8, CANADA	
EMERGENCY AND INFORMATION NUMBER 1-403-362-3725	DOT IDENTIFICATION NO. Not Regulated	HMIS RATING Health – 1, Flammability – 0, Reactivity – 0, Personal Protection - E	
II – PRODUCT AND COMPONENT DATA			
COMPONENT(S) CHEMICAL NAME Mixed Iron Oxides on Natural Substrate	CAS REGISTRY NO. Proprietary	% (Approx) N/A	ACGIH TLV-TWA See Section VI
III – PHYSICAL DATA			
APPEARANCE AND ODOR Odorless Red/Black Granular Solid	SPECIFIC GRAVITY @ 60°F (H ₂ O = 1) Approximately 1.0		
BOILING POINT N/A	VAPOR DENSITY IN AIR (Air – 1) N/A		
VAPOR PRESSURE N/A	% VOLATILE, BY VOLUME N/A		
EVAPORATION RATE N/A	SOLUBILITY IN WATER Insoluble		
IV – REACTIVITY DATA			
STABILITY Stable	CONDITIONS TO AVOID Contact with powerful oxidizers such as strong acids.		
INCOMPATIBILITY (Materials to avoid)		Powerful oxidizers such as strong acids and strong oxidizers.	
HAZARDOUS DECOMPOSITION PRODUCTS		None Known	
HAZARDOUS POLYMERIZATION		Will Not occur	
V – FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used) Not Flammable	FLAMMABLE LIMITS IN AIR N/A		
EXTINGUISHING AGENTS Water spray, dry chemicals, sand, or universal type foam, or use extinguishing agent most suitable for type of surrounding fire.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Dust can present fire and explosion hazards when exposed powerful oxidizers.			
VI – TOXICITY AND FIRST AID			
EXPOSURE LIMITS – 8-Hour Time Weighted Average (When exposed to this product and other chemicals is concurrent, the TLV must be defined in the workplace.)			
Iron Oxide	OSHA 10 mg/m ³	ACGIH 5 mg/m ³ ^R	NIOSH 5 mg/m ³ as dust & fume
Effects described in this section are believed not to occur if exposures are maintained at or below appropriate TLVs. Because of the wide variation in individual susceptibility, TLVs may not be applicable to all persons and those with medical conditions listed below.			
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE Inhaling respirable dust may aggravate existing respiratory system disease(s) and/or dysfunctions. Exposure to dust may aggravate existing skin and/or eye conditions.			
ACUTE TOXICITY Primary route(s) of exposure: Inhalation Ingestion Exposure to dust may irritate respiratory system, eyes, and skin.			
FIRST AID <u>Dust in eyes:</u> Flush eyes with running water for 15 minutes. Contact a physician if irritation persists. <u>Dust on skin:</u> Wash with soap and water. Contact a physician if a previously existing irritation is aggravated. <u>Dust inhalation:</u> Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists.			

CHRONIC TOXICITY

Chronic exposure to respirable dust in excess of appropriate TLVs has caused pneumoconiosis (Dusty Lung).

To the best of our knowledge this product is not listed as a carcinogen on the NTP, IARC, or OSHA lists of carcinogens or contains no levels of listed substances, which the state of California has found to cause cancer, birth defects, or other reproductive effects.

VII – PERSONAL PROTECTION AND CONTROLS

RESPIRATORY PROTECTION

NIOSH-MSHA approved dust respirators for conditions where dust levels exceed or are likely to exceed appropriate exposure limits. Respirator use must comply with applicable MSHA or OSHA standards, which include provisions for a user training program, respirator repair and cleaning, respirator fit testing, and other requirements.

VENTILATION

Local exhaust or general ventilation adequate to maintain exposures below appropriate TLVs.

SKIN PROTECTION

See “Hygiene” section below. Not absorbed through skin.

EYE PROTECTION

Safety glasses with side shields should be worn as minimum protection. Dust goggles should be worn when excessively (visible) dusty conditions are present or are anticipated.

HYGIENE

Wash dust-exposed skin with soap and water. Wash work clothes after each use.

OTHER CONTROL MEASURES

Use good housekeeping practices to keep dust to a minimum. Dust levels in excess of appropriate TLVs should be reduced by all feasible engineering controls, including (but not limited to) wet suppression, ventilation, process enclosure, and enclosed employee work stations.

VIII – STORAGE AND HANDLING PRECAUTIONS

Product should be stored at ambient temperature in closed containers avoiding exposure to excessive moisture. Respirable dust may be generated during processing, handling, and storage. The controls identified in Section VII of the MSDS should be applied as appropriate.

IX – SPILL LEAK AND DISPOSAL PRACTICES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Spilled materials, where dust can be generated, may overexpose cleanup personnel to respirable dust. Wetting of spilled material and/or use of respiratory protective equipment may be necessary.

WASTE DISPOSAL METHOD

Pickup and reuse clean materials. Dispose of waste materials only in accordance with applicable federal, state, and local laws and regulations.

X - TRANSPORTATION

DOT HAZARD CLASSIFICATION None – Ship as Class 50

PLACARD REQUIRED None

LABEL REQUIRED Label as required by applicable state and local regulations.

XI - REGULATORY INFORMATION

DISPOSAL: This product is not hazardous waste per 40 CFR 261.24 or 261.3. However consult with the state environmental regulatory agency before disposing of this material, as state regulations may be stricter than federal regulations.

SPILL REPORTING This product is not a CERCLA hazardous substance, per 40 CFR 302.4. It contains nothing on the list of hazardous substances under the Clean Water Act (40 CFR 116 and 40 CFR 117), nor are they included on the list of Extremely Hazardous Substances under SARA, 40 CFR 355 Appendix A. Thus, there are no Federal reporting requirements in the event of release of this material.

SARA REPORTING: This product is not subject to the reporting requirements of Section 304 of SARA, since it contains nothing on the list of Extremely Hazardous Substances. In addition, This product is not subject to the reporting requirements of Section 313 of SARA.

CALIFORNIA PROPOSITION 65 - To the best of our knowledge this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects, or other reproductive effects.

CARCINOGENIC - To the best of our knowledge this product is not listed as a carcinogen on the NTP, IARC, or OSHA lists of carcinogens.

DATE OF PREPARATION: Jan 12, 2015

NOTICE: Tyler Chemicals Ltd believes that the information contained on this Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in notation of applicable laws, regulations, rules or insurance requirements.

NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE IS MADE.

MSDS OCP 1175