

LANXESS

Energizing Chemistry

LANXESS INC.
P.O. BOX 3001
1265 VIDAL STREET SOUTH
SARNIA; ONTARIO ; N7T 7M2

PRODUCT: BAYFERROX 140 M**Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER/SUPPLIER..... LANXESS
P.O. BOX 3001
1265 VIDAL STREET SOUTH
SARNIA
ON
N7T 7M2
Supplier: The Pottery Supply House Ltd.
1120 Speers Rd, Oakville, ON
L6L 2X4 Tel: 1-800-465-8544

24 HOUR EMERGENCY NUMBER..... (519) 337-1907 LANXESS INC.; (613) 996-6666 CANUTEC.

PRODUCT NAME..... BAYFERROX 140 M

CHEMICAL FAMILY..... INORGANIC METAL OXIDE. C I PIGMENT RED 101.

CAS NUMBER..... 1309-37-1.

MATERIAL USE..... PAINTS. PLASTICS. COATINGS.

Section 02: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
-----------------------	---	----------------	---------	----------------------	---------------------

NONE

Section 03: HAZARDS IDENTIFICATION

ROUTE OF ENTRY EYE CONTACT. INHALATION. SKIN CONTACT.

EYE CONTACT..... MECHANICAL IRRITATION MAY OCCUR.

SKIN CONTACT..... NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION.

SKIN ABSORPTION..... NOT AVAILABLE.

INHALATION (ACUTE)..... DUST CAN BE IRRITATING.

INGESTION..... NONE REPORTED. NOT A LIKELY ROUTE OF ENTRY.

EFFECTS OF CHRONIC EXPOSURE..... PROLONGED INHALATION (6 TO 10 YEARS) OF IRON OXIDE FUME HAS BEEN REPORTED TO PRODUCE CHANGES IN LUNG X-RAYS OF EXPOSED INDIVIDUALS. THIS CONDITION, SIDEROSIS, IS CONSIDERED TO BE A BEGNIGN PNUEMOCONIOSIS THAT EXHIBITS NO ADVERSE HEALTH EFFECTS. SIDEROSIS HAS BEEN OBSERVED AMONG OCCUPATIONS SUCH AS ARC-WELDERS WHERE IRON OXIDE FUMES ARE PRESENT. TO THE BEST OF OUR KNOWLEDGE, THIS CONDITION HAS NOT BEEN OBSERVED AFTER PROLONGED EXPOSURE TO IRON OXIDE PIGMENTS.

NOTE..... EXCESSIVE EXPOSURE TO AIRBORNE DUST MAY REDUCE VISIBILITY AND/OR CAUSE UNPLEASANT DEPOSITS IN THE EYES, EARS AND NOSE. INJURY TO THE SKIN OR MUCOUS MEMBRANES CAN OCCUR BY DIRECT MECHANICAL ACTION OR BY RIGOROUS SKIN CLEANING NECESSARY FOR REMOVAL OF DUST.

Section 04: FIRST AID MEASURES

EYE CONTACT..... IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES, KEEPING EYELIDS OPEN, WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION.

SKIN CONTACT..... IMMEDIATELY FLUSH SKIN WITH PLENTY OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE.

INHALATION..... IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN, OBTAIN MEDICAL ATTENTION.

INGESTION..... IF SWALLOWED, DRINK PLENTY OF WATER. WASH OUT MOUTH REPEATEDLY. IF PATIENT FEELS UNWELL, SEEK MEDICAL ADVICE.

ADDITIONAL INFORMATION..... IN ALL CASES, IF IRRITATION PERSISTS SEEK MEDICAL ATTENTION.

Section 05: FIRE FIGHTING MEASURES

FLASH POINT (deg C), METHOD..... NOT APPLICABLE.

AUTO IGNITION TEMPERATURE (deg C)... NOT APPLICABLE.

UPPER FLAMMABLE LIMIT (% VOL)..... NOT AVAILABLE.

LOWER FLAMMABLE LIMIT (% VOL)..... NOT AVAILABLE.

EXTINGUISHING MEDIA..... WILL NOT SUPPORT COMBUSTION. USE EXTINGUISHING MEDIA FOR SURROUNDING FIRE.

PRODUCT: BAYFERROX 140 M**Section 05: FIRE FIGHTING MEASURES**

SPECIAL FIRE FIGHTING PROCEDURES.. FIREFIGHTER SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING TO PROTECT AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES.

HAZARDOUS COMBUSTION PRODUCTS.. NOT AVAILABLE.

SENSITIVITY TO MECHANICAL IMPACT.... NOT APPLICABLE.

SENSITIVITY TO STATIC DISCHARGE..... NOT APPLICABLE.

Section 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL..... UTILIZE RECOMMENDED PROTECTIVE CLOTHING. REMOVE MECHANICALLY BY METHOD WHICH MINIMIZES GENERATION OF AIRBORNE DUST (IE. VACUUM). AVOID DUST ACCUMULATION. PICK UP. PUT IN A CONTAINER. SPILLED MATERIAL AND WATER RINSES ARE CLASSIFIED AS CHEMICAL WASTE, AND MUST BE DISPOSED OF IN ACCORDANCE WITH CURRENT LOCAL, PROVINCIAL, AND FEDERAL REGULATIONS.

Section 07: HANDLING AND STORAGE

HANDLING PROCEDURES..... AVOID SKIN AND EYE CONTACT. AVOID BREATHING DUST. REMOVE CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING. AVOID SMOKING, DRINKING OR EATING IN USE. MAINTAIN GOOD PERSONAL HYGIENE.

STORAGE NEEDS..... KEEP CONTAINERS TIGHTLY CLOSED. STORE DRY AT AMBIENT TEMPERATURE, AWAY FROM EXCESSIVE HEAT, STRONG OXIDIZERS OR COMBUSTIBLE MATERIALS. KEEP AWAY FROM FOODSTUFFS. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT

EYE/TYPE..... CHEMICAL SAFETY GOGGLES.

RESPIRATORY/TYPE..... NONE REQUIRED UNDER NORMAL USE.

GLOVES/ TYPE..... CHEMICAL RESISTANT GLOVES. PRACTICE GOOD HYGIENE, WASH THOROUGHLY BEFORE HANDLING ANY FOOD.

CLOTHING/TYPE..... WEAR ADEQUATE PROTECTIVE CLOTHES. WEAR LONG SLEEVES AND TROUSERS TO PREVENT DERMAL EXPOSURE.

FOOTWEAR/TYPE..... NOT APPLICABLE.

OTHER/TYPE..... EYEWASH FOUNTAIN. EMERGENCY SHOWER SHOULD BE IN CLOSE PROXIMITY.

VENTILATION REQUIREMENTS..... LOCAL EXHAUST AT POINTS OF EMISSION. VENTILATE ADEQUATELY. WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR WHEN CONTAMINANT LEVELS EXCEED THE RECOMMENDED EXPOSURE LIMITS.

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE..... POWDER.

COLOUR..... RED.

ODOUR..... ODOURLESS.

SPECIFIC GRAVITY..... 5.0. AT 20 DEG C. DIN 787/10.

ODOUR THRESHOLD (ppm)..... NOT APPLICABLE.

VAPOUR PRESSURE (mm Hg)..... NOT APPLICABLE.

VAPOUR DENSITY (AIR=1)..... NOT APPLICABLE.

EVAPORATION RATE..... NOT APPLICABLE.

BOILING POINT (deg C)..... NOT APPLICABLE.

pH..... APPROX. 5.0 - 8.0. @ 50 G/L WATER. DIN ISO 787/9.

SOLUBILITY IN WATER (% W/W)..... INSOLUBLE.

COEFFICIENT OF WATER/OIL NOT APPLICABLE.

DISTRIBUTION

FREEZING POINT (deg C)..... NOT APPLICABLE.

MELTING POINT (deg C)..... > 1000.

PRODUCT: BAYFERROX 140 M**Section 10: STABILITY AND REACTIVITY**

INCOMPATIBILITY..... NONE KNOWN.
 REACTIVITY CONDITIONS..... HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
 HAZARDOUS PRODUCTS OF DECOMPOSITION..... NO THERMAL DECOMPOSITION WHEN STORED AND HANDLED CORRECTLY.

Section 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY (LD50)..... > 5000 MG/KG (RAT).
 IRRITANCY OF MATERIAL..... NON IRRITANT.
 SENSITIZING CAPABILITY OF MATERIAL..... NOT AVAILABLE.
 CARCINOGENICITY OF MATERIAL..... THIS PRODUCT IS NOT LISTED BY NTP, IARC OR NIOSH OR REGULATED AS A CARCINOGEN BY OSHA.
 TERATOGENICITY..... NOT AVAILABLE.
 MUTAGENICITY..... NOT AVAILABLE.
 REPRODUCTIVE EFFECTS..... NOT AVAILABLE.

Section 12: ECOLOGICAL INFORMATION

FISH TOXICITY (1)..... LC0: ABOVE 1000 MG/L.
 TEST SPECIES (1)..... LEUCISCUS IDUS.
 BIODEGRADABILITY..... NOT AVAILABLE.

Section 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL..... SPILLED MATERIAL AND WATER RINSES ARE CLASSIFIED AS CHEMICAL WASTE AND MUST BE DISPOSED OF IN ACCORDANCE WITH CURRENT LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

Section 14: TRANSPORT INFORMATION

TDG CLASSIFICATION..... NON REGULATED.

Section 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION..... NON-CONTROLLED. 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.

Section 16: OTHER INFORMATION

NOTE:..... THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, EXPRESSED OR IMPLIED, EXCEPT THAT IT IS ACCURATE TO THE BEST KNOWLEDGE OF BAYER INC. THE DATA ON THIS SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN. BAYER INC. ASSUMES NO LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THESE DATA.

PREPARED BY: HEALTH, ENVIRONMENT & SAFETY DEPARTMENT
 TELEPHONE NUMBER: BAYER INC. - (416) 248-0771 EXT 2147
 PREPARATION DATE: Jan27/04