

MATERIAL SAFETY DATA SHEET

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/DISTRIBUTOR:
TRICON COLORS, INC.
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PREPARATION DATE: SEPTEMBER 15, 1995
24HR. EMERGENCY PHONE: 1-800-424-9300
(CHEMTREC)

PRODUCT NAME/SYNONYMS:
CHEMICAL NAME/SYNONYMS:
CHEMICAL FAMILY:
FORMULA:

IRON OXIDE YELLOW E172
COLOUR INDEX NAME: PIGMENT YELLOW 42-43
IRON OXIDE C.I. NO.: 77492
Fe₂O₃.H₂O CASRN: 51274-00-1

SECTION II: INFORMATION ON HAZARDOUS INGREDIENTS

CHEMICAL/Common Name C.A.S.R.N. WT.% OSHA PEL ACGIH TLV
THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY THE OSHA HAZARD
COMMUNICATION STANDARD 29CFR 1910.1200.

CHEMICAL NAME(CARCINOGEN) C.A.S.R.N. WT.% NTP IARC OSHA
THIS PRODUCT DOES NOT CONTAIN ANY CARCINOGENS AS DEFINED BY NTP, IARC
AND OSHA.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS):

HEALTH: 1 FLAMABILITY: 0 REACTIVITY: 0 PROTECTIVE EQUIPMENT: F

SECTION III: HAZARDS IDENTIFICATION AND EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC):

MILD IRRITANT TO THE EYES. ALTHOUGH NO EXPOSURE LIMIT HAS BEEN
ESTABLISHED FOR THIS PRODUCT, THE OSHA-PEL FOR NUISANCE DUST OF 15
MG/M³ TOTAL DUST, 5 MG/M³ RESPIRABLE DUST IS RECOMMENDED. IN ADDITION,
THE ACGIH-TLV FOR NUISANCE DUST OF 10 MG/M³ IS RECOMMENDED.

PRIMARY ROUTES OF ENTRY:

INGESTION, INHALATION, EYE AND SKIN CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

ALTHOUGH WE HAVE NO DATA AVAILABLE ON THE EFFECTS OF INHALING THIS
PRODUCT, PERSONS WITH IMPAIRED PULMONARY FUNCTION MAY BE MORE
SUSCEPTIBLE TO THE EFFECTS OF INHALING ANY TYPE OF DUSTY MATERIAL.

SECTION IV: FIRST AID MEASURES:

FIRST AID - EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.
GET MEDICAL ATTENTION.

FIRST AID - SKIN CONTACT:

WASH WITH SOAP AND WATER. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

FIRST AID - INHALATION:

MOVE PATIENT TO FRESH AIR. AID IN BREATHING IF NECESSARY AND GET
PROMPT MEDICAL ATTENTION.

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FIRST AID - INGESTION:

INDUCE VOMITING IN A CONSCIOUS PERSON. NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS. GET MEDICAL ATTENTION.

EFFECTS OF OVEREXPOSURE:

PROLONGED CONTACT MAY CAUSE IRRITATIONS. CHRONIC EFFECTS ARE UNKNOWN.

SECTION V: FIRE FIGHTING MEASURES:

FLASH POINT: N/A

FLAMMABLE LIMITS: LEL= N/A UEL= N/A

SPECIAL FIREFIGHTING PROCEDURES:

FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL FIREFIGHTING TURN-OUT GEAR (BUNKER GEAR) TO PROTECT AGAINST POTENTIAL TOXIC AND IRRITATING FUMES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

AVOID DUSTING - MAY FORM EXPLOSIVE MIXTURE WITH AIR.

HAZARDOUS DECOMPOSITION PRODUCTS:

NONE

EXTINGUISHING MEDIA:

WATER, CARBON DIOXIDE, FOAM OR DRY CHEMICAL.

SECTION VI: ACCIDENTAL RELEASE MEASURES:**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

FIRST CONSULT WITH YOUR SUPERVISOR. RECLAIM WHERE POSSIBLE. IF UNCONTAMINATED RETURN TO ORIGINAL CONTAINER. IF CONTAMINATED, SPILLS SHOULD BE TAKEN UP WITH SUITABLE ABSORBANT AND PLACED IN RESTRICTED WASTE CONTAINER. SPILL AREA CAN THEN BE WASHED WITH DETERGENT AND WATER; COLLECT WATER AND PRODUCT FOR APPROVED DISPOSAL.

SECTION VII: HANDLING AND STORAGE**WORK PRACTICES :**

MAINTAIN GOOD HOUSEKEEPING PROCEDURES. AVOID EYE AND SKIN CONTACT. DO NOT BREATHE DUST. MINIMIZE DUST GENERATION AND ACCUMULATION. NO TOBACCO OR FOOD IN AREA. WASH HANDS AND FACE BEFORE EATING FOOD.

HYGENIC PRACTICES:

SHOWER DAILY, LAUNDER WORK CLOTHES AFTER EACH USE.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE IN A COOL DRY PLACE, AWAY FROM EXCESSIVE HEAT, IN ORIGINAL OR SIMILAR WATER-PROOF CONTAINERS. RESEAL CONTAINERS IMMEDIATELY AFTER USE. AVOID UNNECESSARY CONTACT. IF YOU FEEL ANY ILL EFFECTS AFTER HANDLING REPORT IMMEDIATELY TO YOUR SUPERVISOR.

SECTION VIII: EXPOSURE CONTROLS AND PERSONAL PROTECTION**EYE PROTECTION:**

WEAR SAFETY GLASSES WITH SIDE SHIELDS OR SAFETY GOGGLES.

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SKIN PROTECTION:

RUBBER GLOVES AND LONG SLEEVED SHIRTS AND PANTS TO MINIMIZE SKIN CONTACT.

RESPIRATORY PROTECTION:

WEAR A NIOSH/MSHA APPROVED RESPIRATOR WITH A DUST CARTRIDGE FILTER.

OTHER PROTECTIVE EQUIPMENT:

EMERGENCY DELUGE SHOWERS AND EYE WASH STATIONS SHOULD BE READILY AVAILABLE. EDUCATE AND TRAIN EMPLOYEES IN THE SAFE USE AND HANDLING OF THIS PRODUCT.

ENGINEERING CONTROLS:

USE EXHAUST VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW EXPOSURE LIMITS.

EXPOSURE LIMITS:

NOT ESTABLISHED

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR INFORMATION:

DULL YELLOW POWDER - NO ODOR

SOLUBILITY IN WATER:

INSOLUBLE

CHEMICAL DATA:

BOILING POINT("F): N/A

VAPOR PRESSURE(mmHg): N/A

VAPOR DENSITY(AIR=1): N/A

FREEZING POINT("F): N/A

SPECIFIC GRAVITY (WATER=1): N/A

% VOLATILE BY VOLUME: N/A

EVAPORATION RATE(BUTYL ACETATE=1): N/A

MELTING POINT("F): N/A

SECTION X: STABILITY AND REACTIVITY

CHEMICAL STABILITY:

THIS PRODUCT SHOULD BE STABLE UNDER NORMAL STORAGE CONDITIONS.

CONDITIONS TO AVOID FOR STABILITY:

NONE

INCOMPATIBILITY (MATERIALS TO AVOID):

NONE

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID:

NOT APPLICABLE

SECTION XI: TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY INFORMATION:

NO INFORMATION

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AQUATIC TOXICITY INFORMATION:
NO INFORMATION

SECTION XII: ECOLOGICAL INFORMATION
ECOTOXICITY:
NO INFORMATION

ENVIRONMENTAL FATE:
NO INFORMATION

SECTION XIII: DISPOSAL CONSIDERATIONS
WASTE DISPOSAL METHODS:

THIS PRODUCT, IN THE SAME CONDITION AS SOLD, ALONG WITH THE ABSORBENT AND CLEAN-UP WATER SHOULD BE DISCARDED IN ACCORDANCE WITH EXISTING FEDERAL, STATE, LOCAL OR PROVINCIAL ENVIRONMENTAL CONTROL REGULATIONS. CONSULT WITH YOUR SUPERVISOR BEFORE DISPOSAL.

RCRA OR CERCLA REGULATED:

IF DISCARDED IN ITS PURCHASED FORM, THIS PRODUCT WOULD NOT BE A HAZARDOUS WASTE EITHER BY LISTING OR BY CHARACTERISTIC. HOWEVER, UNDER RCRA, IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE (40 CFR 261.20-24).

CONTAINERS:

CONTAINERS SHOULD BE TRIPLE RINSED, ACCORDING TO FEDERAL REGULATIONS AND/OR GOOD WASTE MANAGEMENT PRACTICES.

SECTION XIV: TRANSPORTATION INFORMATION
DOT NAME: NOT APPLICABLE

DOT HAZARD CLASS: NOT APPLICABLE

DOT UN/NA NUMBERS: NOT APPLICABLE

DOT REPORTABLE QUANTITY: NOT APPLICABLE

DOT LABELS: NOT APPLICABLE

DOT EMERGENCY RESPONSE INFORMATION:
NOT APPLICABLE

SECTION XV: REGULATORY INFORMATION
TSCA STATUS:

THIS PRODUCT IS LISTED ON THE TSCA INVENTORY.

OSHA STATUS:

THIS PRODUCT IS NOT HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1900.1200.

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SARA TITLE III 302:

THIS PRODUCT IS NOT LISTED ON THE SARA TITLE III SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES LIST.

SARA TITLE III 311/312:

THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA "HAZARD CATEGORIES" PROMULGATED UNDER SECTIONS 311 AND 312 OF SARA TITLE III AND IS NOT CONSIDERED TO MEET, UNDER APPLICABLE DEFINITIONS, ANY HAZARD CATEGORY.

SARA TITLE III 313:

THIS PRODUCT DOES NOT CONTAIN ANY SUBSTANCES SUBJECT TO THE ANNUAL REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 (40 CFR PART 372).

CANADA WHMIS:

THIS PRODUCT IS NOT A CONTROLLED PRODUCT ACCORDING TO THE CANADIAN WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (WHMIS).

STATE INFORMATION:

THE FOLLOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STATES; OTHER PRODUCT SPECIFIC HEALTH AND SAFETY DATA IN OTHER SECTIONS OF THE MSDS MAY ALSO BE APPLICABLE FOR STATE REQUIREMENTS. FOR DETAILS ON YOUR REGULATORY REQUIREMENTS YOU SHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR STATE.

PIGMENT YELLOW 42-43 - PENNSYLVANIA NON-HAZARDOUS LIST >3%
- NJ TOP 5 INGREDIENTS >1%

SECTION XVI: OTHER INFORMATION

LEGEND:

N.A. - NOT APPLICABLE
N.E. - NOT ESTABLISHED
N.I. - NO INFORMATION
N.D. - NOT DETERMINED

REASON FOR REVISION:

NEW ANSI STANDARD MSDS FORMAT.

PREPARED BY:

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DIRECTOR QUALITY ASSURANCE AND REGULATORY AFFAIRS

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