

SDS D8376

DELIVERY: 6455670528

HU NUMBER: U816232522

## SAFETY DATA SHEET (SDS)

This SDS should be attached or kept with the respective product with which it is associated.

SDS - D8376

Associated Items  
04

ITW PRO BRANDS

SAFETY DATA SHEET

ISSUING DATE: 01-OCT-2014

REVISION DATE: 01-OCT-2014

REVISION NUMBER: 0

-----1. IDENTIFICATION OF THE SUBSTANCE/Preparation -----  
AND THE COMPANY/UNDERTAKING

GHS PRODUCT IDENTIFIER:

PRODUCT NAME: HI TEMPERATURE 44 ALL COLORS

OTHER MEANS OF IDENTIFICATION:

PART NUMBER:  
44219 (WHITE), 44424 (YELLOW), 44250 (BLACK), 44256 (GREEN), 44094 (BLUE)FORMULA CODE:  
Z219 (WHITE), Z424 (YELLOW), ER250 (BLACK), ER266 (GREEN), A094M (BLUE)

UN-NUMBER: UN1263

SYNONYMS: NONE

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: SOLVENT BASED MARKER

USES ADVISED AGAINST: NO INFORMATION AVAILABLE

SUPPLIER'S DETAILS:

SUPPLIER ADDRESS:  
ITW PRO BRANDS  
805 E. OLD 56 HIGHWAY  
OLATHE, KS 66061

TEL: 1-800-443-9536

EMERGENCY TELEPHONE NUMBER:

EMERGENCY TELEPHONE NUMBER: 800-535-5053 INFOTRAC

## -----2. HAZARDS IDENTIFICATION -----

CLASSIFICATION:  
THIS CHEMICAL IS CONSIDERED HAZARDOUS ACCORDING TO THE OSHA HAZARD  
COMMUNICATION STANDARD 2012 (29 CFR 1910.1200)

SKIN CORROSION/IRRITATION: CATEGORY 2

SKIN SENSITIZATION: CATEGORY 1

GERM CELL MUTAGENICITY: CATEGORY 1B

CARCINOGENICITY: CATEGORY 1A

REPRODUCTIVE TOXICITY: CATEGORY 1A

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE): CATEGORY 3

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): CATEGORY 2

ASPIRATION TOXICITY: CATEGORY 1

FLAMMABLE LIQUIDS: CATEGORY 3

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

EMERGENCY OVERVIEW:

SIGNAL WORD: DANGER

HAZARD STATEMENTS:  
CAUSES SKIN IRRITATION  
MAY CAUSE AN ALLERGIC SKIN REACTION  
MAY CAUSE GENETIC DEFECTS  
MAY CAUSE CANCER  
MAY DAMAGE FERTILITY OR THE UNBORN CHILD  
MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE  
MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS  
MAY CAUSE RESPIRATORY IRRITATION  
FLAMMABLE LIQUID AND VAPOR

EXCLAMATION MARK

HEALTH HAZARD

NAME

APPEARANCE: OPAQUE, VARIES, THIN VISCOSITY

PHYSICAL STATE: LIQUID

ODOR: AROMATIC

PRECAUTIONARY STATEMENTS:

PREVENTION:  
OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.  
DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.  
USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.  
WASH FACE, HANDS AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING.  
WEAR PROTECTIVE GLOVES.  
CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE.  
DO NOT BREATHE DUST/FUME/GAS/MIST/VAPORS/SPRAY.  
USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA.  
KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES - NO SMOKING.  
KEEP CONTAINER TIGHTLY CLOSED.  
GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT.  
USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/EQUIPMENT.  
USE ONLY NON-SPARKING TOOLS.  
TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE.  
KEEP COOL.GENERAL ADVICE:  
IF EXPOSED OR CONCERNED: GET MEDICAL ATTENTION/ADVICE  
SPECIFIC TREATMENT (SEE SUPPLEMENTAL FIRST AID INSTRUCTIONS ON THIS LABEL)

EYES: NONE

SKIN:  
IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

IF ON SKIN (OR HAIR):  
TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH  
WATER/SHOWER.

INHALATION:

IF INHALED:  
REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR  
BREATHING.INGESTION:  
IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.  
DO NOT INDUCE VOMITING.FIRE:  
IN CASE OF FIRE: USE CO2, DRY CHEMICAL, OR FOAM FOR EXTINCTION.

SPILLS AND LEAKS: NONE

STORAGE:  
STORE LOCKED UP.  
STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.DISPOSAL:  
DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.

HAZARD NOT OTHERWISE CLASSIFIED (HNOC): NOT APPLICABLE

OTHER INFORMATION:  
TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS  
32.76865% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY.

## -----3. COMPOSITION/INFORMATION ON INGREDIENTS -----

CHEMICAL NAME	CAS-NO	WEIGHT %	TRADE SECRET
PETROLEUM NAPHTHA, LIGHT AROMATIC	64742-95-6	15-40	*
1,2,4-TRIMETHYLBENZENE	95-63-6	10-30	*
CHROMIUM (III) OXIDE	1308-38-9	10-30	*
CHEMICAL FRITS (LEAD FREE)	65997-18-4	10-30	*
CHROME YELLOW (LEAD CHROMATE PIGMENT)	1344-37-2	10-30	*
XYLENE, MIXED ISOMERS	1330-20-7	10-30	*
TITANIUM DIOXIDE	13463-67-7	10-30	*
ETHYLBENZENE	100-41-4	5-10	*
1,3,5-TRIMETHYLBENZENE	108-67-8	3-7	*
CARBON BLACK	1333-86-4	1-5	*
QUARTZ	14808-60-7	1-5	*
DIETHYLBENZENE	25340-17-4	1-5	*
CUMENE	98-82-8	1-5	*
SILICON DIOXIDE	7631-86-9	1-5	*



STODDARD SOLVENT 8052-41-3 1-5 \*  
ALUMINUM HYDROXIDE 21645-51-2 1-5 \*  
2-ETHYLHEXANOIC ACID 149-57-5 0.1-1 \*  
TOLUENE 108-88-3 0.1-1 \*

\*THE EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION HAS BEEN WITHHELD AS  
TRADE SECRET.

#### -----4. FIRST AID MEASURES-----

DESCRIPTION OF NECESSARY FIRST-AID MEASURES:

EYE CONTACT:  
RINSE THOROUGHLY WITH PLENTY OF WATER, ALSO UNDER THE EYELIDS. KEEP EYE  
WIDE OPEN WHILE RINSING. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

SKIN CONTACT:  
WASH SKIN WITH SOAP AND WATER. IF SKIN IRRITATION PERSISTS, CALL A  
PHYSICIAN.

INHALATION:  
MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SYMPTOMS  
PERSIST, CALL A PHYSICIAN.

INGESTION:  
RINSE MOUTH. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN  
UNCONSCIOUS PERSON. DRINK PLENTY OF WATER. CONSULT A PHYSICIAN IF NECESSARY.

PROTECTION OF FIRST-AIDERS:  
USE PERSONAL PROTECTIVE EQUIPMENT. REMOVE ALL SOURCES OF IGNITION.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:  
MOST IMPORTANT SYMPTOMS/EFFECTS: NO INFORMATION AVAILABLE.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF  
NECESSARY: NOTES TO PHYSICIAN TREAT SYMPTOMATICALLY.

#### -----5. FIRE-FIGHTING MEASURES-----

SUITABLE EXTINGUISHING MEDIA:  
CARBON DIOXIDE (CO<sub>2</sub>), FOAM, DRY CHEMICAL.

UNSUITABLE EXTINGUISHING MEDIA: NO INFORMATION AVAILABLE.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:  
MAY CAUSE SENSITIZATION BY SKIN CONTACT. THERMAL DECOMPOSITION CAN LEAD TO  
RELEASE OF IRRITATING GASES AND VAPORS. RISK OF IGNITION

EXPLOSION DATA:  
SENSITIVITY TO MECHANICAL IMPACT: NONE.  
SENSITIVITY TO STATIC DISCHARGE: YES.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:  
IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS, PRESSURE-DEMAND,  
NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

#### -----6. ACCIDENTAL RELEASE MEASURES-----

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS:  
EVACUATE PERSONNEL TO SAFE AREAS. USE PERSONAL PROTECTIVE EQUIPMENT. ENSURE  
ADEQUATE VENTILATION. REMOVE ALL SOURCES OF IGNITION. KEEP PEOPLE AWAY FROM  
AND UPWIND OF SPILL/LEAK. DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL.  
STOP LEAK IF YOU CAN DO IT WITHOUT RISK.

ENVIRONMENTAL PRECAUTIONS:

ENVIRONMENTAL PRECAUTIONS:  
PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. PREVENT PRODUCT FROM  
ENTERING DRAINS. DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM.  
AVOID RELEASE TO THE ENVIRONMENT. COLLECT SPILLAGE. DISPOSE OF CONTENTS/  
CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT. SEE SECTION 12 FOR  
ADDITIONAL ECOLOGICAL INFORMATION.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

METHODS FOR CONTAINMENT:  
COVER POWDER SPILL WITH PLASTIC SHEET OR TARP TO MINIMIZE SPREADING. DIKE  
FAR AHEAD OF LIQUID SPILL FOR LATER DISPOSAL. PREVENT FURTHER LEAKAGE OR  
SPILLAGE IF SAFE TO DO SO.

METHODS FOR CLEANING UP:

SMALL SPILLAGE:  
USE A NON-COMBUSTIBLE MATERIAL, LIKE VERMICULITE, SAND OR EARTH TO SOAK UP  
THE PRODUCT AND PLACE INTO A CONTAINER FOR LATER DISPOSAL.

LARGE SPILLAGE:  
PUMP OR VACUUM TRANSFER SPILLED PRODUCT TO CLEAN CONTAINERS FOR RECOVERY.  
ABSORB UNRECOVERABLE PRODUCT.

#### -----7. HANDLING AND STORAGE-----

PRECAUTIONS FOR SAFE HANDLING:

HANDLING:  
AVOID CONTACT WITH SKIN, EYES AND CLOTHING. KEEP AWAY FROM OPEN FLAMES.  
HOT SURFACES AND SOURCES OF IGNITION. TAKE PRECAUTIONARY MEASURES AGAINST  
STATIC DISCHARGES. USE ONLY IN AN AREA CONTAINING FLAME PROOF EQUIPMENT.

ENSURE ADEQUATE VENTILATION, TO AVOID IGNITION OF VAPORS BY STATIC  
ELECTRICITY DISCHARGE. ALL METAL PARTS OF THE EQUIPMENT MUST BE GROUNDED.  
EMPTY CONTAINERS POSE A POTENTIAL FIRE AND EXPLOSION HAZARD. DO NOT CUT,  
PUNCTURE OR WELD CONTAINERS.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE:  
KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND SOURCES OF IGNITION. KEEP  
CONTAINERS TIGHTLY CLOSED IN A COOL, WELL-VENTILATED PLACE. KEEP OUT OF  
THE REACH OF CHILDREN. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY  
FROM INCOMPATIBLE MATERIALS.

INCOMPATIBLE PRODUCTS:  
STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG REDUCING AGENTS, STRONG  
ALKALIS.

#### -----8. EXPOSURE CONTROLS / PERSONAL PROTECTION-----

CONTROL PARAMETERS:

EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
1,2,4 TRIMETHYL- BENZENE	TWA: 25 PPM (VACATED)	TWA: 25 PPM (VACATED)	TWA: 25 PPM TWA: 125 MG/M3
CHROMIUM (III) OXIDE	TWA: 0.5 MG/M3 Cr (VACATED)	TWA: 0.5 MG/M3 Cr (VACATED)	IDLH: 25 MG/M3 Cr (III)
1308-38-9		TWA: 0.5 MG/M3 Cr	

CHEMICAL	STEL:	TWA: 5 MG/M3 Zr	IDLH: 5 MG/M3 As
FRITS (LEAD FREE)	10 MG/M3 Zr (VACATED)	TWA: 5 MG/M3 Zr (VACATED)	IDLH: 500 MG/M3 Mn
65997-18-4	TWA:	(VACATED)	CEILING: 5 MG/M3
5 MG/M3 Zr	CEILING:	5 MG/M3 Mn	AND FUME

TWA:	IDLH: 50 MG/M3 Sb
0.2 MG/M3 Mn	

IDLH:  
100 MG/M3 Cu DUST  
AND MIST

IDLH:  
500 MG/M3 Mn

IDLH: 25 MG/M3 Zr

IDLH:  
100 MG/M3 Pb

IDLH: 10 MG/M3 Ni

CEILING:  
0.002 MG/M3 As  
15 MIN

CEILING:  
0.05 MG/M3 V DUST  
AND FUME 15 MIN

TWA: 0.5 MG/M3 Sb

TWA:  
1 MG/M3 Cu DUST  
AND MIST

TWA: 1 MG/M3 Mn

TWA:  
5 MG/M3 EXCEPT  
ZIRCONIUM  
TETRACHLORIDE Zr

TWA:  
0.050 MG/M3 Pb

TWA:  
0.015 MG/M3  
EXCEPT NICKEL  
CARBONYL Ni

STEL: 3 MG/M3 Mn

STEL: 10 MG/M3 Zr

CHROME YELLOW (LEAD CHROMATE PIGMENT)	TWA: 0.05 MG/M3 Pb	TWA: 5 (MICRO)G/M3 TWA: 50 (MICRO)G/M3 Pb	IDLH: 100 MG/M3 Pb
1344-37-2		ACTION LEVEL: 2.5 (MICRO)G/M3 Cr	0.050 MG/M3 Pb

ACTION LEVEL:  
30 (MICRO)G/M3 Pb

POISON, SEE 29 CFR  
1910.1025

XYLENE, MIXED ISOMERS	STEL:	TWA: 100 PPM
1330-20-7	150 PPM	TWA: 435 MG/M3
	(VACATED)	TWA: 100 PPM
	(VACATED)	TWA: 435 MG/M3



100 PPM (VACATED) STEL: 150 PPM  
(VACATED) STEL: 655 MG/M3

TITANIUM TWA: TWA: 15 MG/M3 TOTAL DUST IDLH: 5000 MG/M3  
DIOXIDE 10 MG/M3  
13463-67-7 (VACATED) TWA:  
10 MG/M3 TOTAL DUST

ETHYLBENZENE TWA: 20 PPM TWA: 100 PPM IDLH: 800 PPM  
100-41-4 TWA: 435 MG/M3 TWA: 100 PPM  
(VACATED) TWA: 100 PPM TWA: 435 MG/M3  
(VACATED) TWA: 435 MG/M3 STEL: 125 PPM  
(VACATED) STEL: 125 PPM STEL: 545 MG/M3  
(VACATED) STEL: 545 MG/M3

1,3,5- TWA: 25 PPM (VACATED) TWA: 25 PPM TWA: 25 PPM  
TRIMETHYL- (VACATED) TWA: 125 MG/M3 TWA: 125 MG/M3  
BENZENE  
108-67-8

CARBON BLACK TWA: TWA: 3.5 MG/M3 IDLH: 1750 MG/M3  
1333-86-4 3.5 MG/M3 (VACATED) TWA: 3.5 MG/M3 TWA: 3.5 MG/M3  
TWA: 0.1 MG/M3  
CARBON BLACK IN  
PRESENCE OF  
POLYCYCLIC  
AROMATIC  
HYDROCARBONS PAH

QUARTZ TWA: 30/(%SiO2+2) MG/M3 TWA: IDLH:  
14808-60-7 0.025 MG/M3 TOTAL DUST 50 MG/M3  
RESPIRABLE RESPIRABLE DUST  
FRACTION 250/(%SiO2+5) MPPCF TWA,  
RESPIRABLE FRACTION TWA:  
0.05 MG/M3  
10/(%SiO2+2) MG/M3 TWA, RESPIRABLE DUST  
RESPIRABLE  
TWA: 0.1 MG/M3 (VACATED)

CUMENE TWA: 50 PPM TWA: 50 PPM IDLH: 900 PPM  
98-82-8 TWA: 245 MG/M3 TWA: 50 PPM  
(VACATED) TWA: 50 PPM TWA: 245 MG/M3  
(VACATED) TWA: 245 MG/M3  
(VACATED) S\*

SILICON 10 MG/M3 20 MPPCF TWA; IDLH: 3000 MG/M3  
DIOXIDE ((80)/(% SiO2) MG/M3) TWA: 6 MG/M3  
7631-86-9

STODDARD TWA: 100 PPM TWA: 500 PPM IDLH: 20000 MG/M3  
SOLVENT TWA: 2900 MG/M3  
8052-41-3 (VACATED) TWA: 100 PPM CEILING:  
(VACATED) TWA: 525 MG/M3 1800 MG/M3 15 MIN  
TWA: 350 MG/M3

ALUMINUM TWA:  
OXIDE 1 MG/M3  
5-51-2 RESPIRABLE  
FRACTION

2-ETHYL- TWA:  
HEXANOIC 5 MG/M3  
ACID INHALABLE  
149-57-5 FRACTION AND  
VAPOR

TOLUENE TWA: 20 PPM TWA: 200 PPM IDLH: 500 PPM  
108-88-3 (VACATED) TWA: 100 PPM TWA: 100 PPM  
(VACATED) TWA: 375 MG/M3 TWA: 375 MG/M3  
(VACATED) STEL: 150 PPM STEL: 150 PPM  
(VACATED) STEL: 560 MG/M3 STEL: 560 MG/M3  
CEILING: 300 PPM

IMMEDIATELY DANGEROUS TO LIFE OR HEALTH.

ACGIH TLV:  
AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS - THRESHOLD  
LIMIT VALUE.

OSHA PEL:  
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION - PERMISSIBLE EXPOSURE  
LIMITS.

NIOSH IDLH:

OTHER EXPOSURE GUIDELINES:  
VACATED LIMITS REVOKED BY THE COURT OF APPEALS DECISION IN AFL-CIO V. OSHA,  
965 F.2D 962 (11TH CIR., 1992).

APPROPRIATE ENGINEERING CONTROLS:

ENGINEERING MEASURES:  
SHOWERS  
EYEWASH STATIONS  
VENTILATION SYSTEMS

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION:  
IF SPLASHES ARE LIKELY TO OCCUR, WEAR: CHEMICAL SPLASH GOGGLES.

SKIN AND BODY PROTECTION:  
RISK OF CONTACT: CHEMICAL RESISTANT GLOVES, BOOTS, APRON.

RESPIRATORY PROTECTION:  
PROTECTIVE EQUIPMENT IS NEEDED UNDER NORMAL USE CONDITIONS. IF EXPOSURE

LIMITS ARE EXCEEDED OR IRRITATION IS EXPERIENCED, NIOSH/MSHA APPROVED  
RESPIRATORY PROTECTION SHOULD BE WORN.

HYGIENE MEASURES:  
WHEN USING, DO NOT EAT, DRINK OR SMOKE. PROVIDE REGULAR CLEANING OF  
EQUIPMENT, WORK AREA AND CLOTHING.

#### -----9. PHYSICAL AND CHEMICAL PROPERTIES -----

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: LIQUID

APPEARANCE OPAQUE, VARIES THIN VISCOSITY

ODOR: AROMATIC

ODOR THRESHOLD: NO INFORMATION AVAILABLE

PROPERTY	VALUES	REMARKS/ - METHOD
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PH	NO DATA AVAILABLE	NONE KNOWN
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MELTING POINT/RANGE	NO DATA AVAILABLE	NONE KNOWN
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BOILING POINT/BOILING RANGE	158.89-170 DEG. C / 318-338 DEG. F	NONE KNOWN
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FLASH POINT	42.22 DEG. C / 108 DEG. F	NONE KNOWN
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EVAPORATION RATE	NONE KNOWN
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FLAMMABILITY (SOLID, GAS)	NO DATA AVAILABLE	NONE KNOWN
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FLAMMABILITY LIMITS IN AIR: UPPER FLAMMABILITY LIMIT	NO DATA AVAILABLE	12.6
LOWER FLAMMABILITY LIMIT	NO DATA AVAILABLE	1.9

VAPOR PRESSURE	NO DATA AVAILABLE	NONE KNOWN
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VAPOR DENSITY	>1 (AIR = 1)	NONE KNOWN
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SPECIFIC GRAVITY	NO DATA AVAILABLE.	NONE KNOWN
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WATER SOLUBILITY	NEGLIGIBLE	NONE KNOWN
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SOLUBILITY IN OTHER SOLVENTS	NO DATA AVAILABLE	NONE KNOWN
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PARTITION COEFFICIENT N-OCTANOL/WATER	NO DATA AVAILABLE	NONE KNOWN
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AUTOIGNITION TEMPERATURE	NO DATA AVAILABLE	NONE KNOWN
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DECOMPOSITION TEMPERATURE	NO DATA AVAILABLE	NONE KNOWN
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VISCOSITY	NO DATA AVAILABLE	NONE KNOWN
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FLAMMABLE PROPERTIES	FLAMMABLE; MAY BE IGNITED BY HEAT, SPARKS OR FLAMES.
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EXPLOSIVE PROPERTIES	NO DATA AVAILABLE
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OXIDIZING PROPERTIES	NO DATA AVAILABLE
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OTHER INFORMATION:

VOC CONTENT (%)	ER250 BLACK: 57.63% Z219 WHITE: 52.35% A094 BLUE: 67.72% Z424 YELLOW: 58.69% ER266 GREEN: 60.99%
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VOC (G/L)	ER250 BLACK: 642 G/L Z219 WHITE: 666 G/L A094 BLUE: 719 G/L Z424 YELLOW: 700 G/L ER266 GREEN: 695 G/L
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#### -----10. STABILITY AND REACTIVITY -----

REACTIVITY: NO DATA AVAILABLE.

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

CONDITIONS TO AVOID: HEAT, FLAMES AND SPARKS. INCOMPATIBLE PRODUCTS.

INCOMPATIBLE MATERIALS:  
STRONG OXIDIZING AGENTS, STRONG ACIDS, STRONG REDUCING AGENTS, STRONG  
ALKALIS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON OXIDES, SMOKE SOOT.

#### -----11. TOXICOLOGICAL INFORMATION -----

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

PRODUCT INFORMATION:

INHALATION:



MAY CAUSE IRRITATION OF RESPIRATORY TRACT. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING CONTENTS MAY BE HARMFUL OR FATAL

EYE CONTACT: CONTACT WITH EYES MAY CAUSE IRRITATION.

SKIN CONTACT: CAUSES SKIN IRRITATION.

INGESTION:  
MAY BE HARMFUL IF SWALLOWED. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

CHEMICAL NAME LD50 ORAL LD50 DERMAL LC50 INHALATION

1,4-TRIMETHYLBENZENE =3280 MG/KG >3160 MG/KG =18 G/M3  
(RAT) (RABBIT) (RAT) 4 H

CHROME YELLOW (LEAD >5000 MG/KG  
CHROMATE PIGMENT) (RAT)

XYLENE, MIXED ISOMERS =3500 MG/KG >4350 MG/KG =29.08 MG/L  
(RAT) (RABBIT) (RAT) 4 H

>1700 MG/KG =5000 PPM  
(RABBIT) (RAT) 4 H

TITANIUM DIOXIDE >10000 MG/KG  
(RAT)

ETHYLBENZENE =3500 MG/KG =15400 MG/KG =17.2 MG/L  
(RAT) (RABBIT) (RAT) 4 H

1,3,5-TRIMETHYLBENZENE =5000 MG/KG =24 G/M3  
(RAT) (RAT) 4 H

CARBON BLACK >15400 MG/KG >3 G/KG  
(RAT) (RABBIT)

QUARTZ 500 MG/KG  
(RAT)

CUMENE =1400 MG/KG >3160 MG/KG =39000 MG/M3  
(RAT) (RABBIT) (RAT) 4 H

SILICON DIOXIDE >5000 MG/KG >2000 MG/KG >2.2 MG/L  
(RAT) (RABBIT) (RAT) 4 H

ALUMINUM HYDROXIDE >5000 MG/KG  
(RAT)

2-ETHYLHEXANOIC ACID =3 G/KG =1260 MG/KG  
(RAT) (RABBIT)

>2000 MG/KG  
(RAT)

TOLUENE >5580 MG/KG 12124 MG/KG 26700 PPM  
(RAT) (RAT) (RAT) 1 H

8390 MG/KG  
(RABBIT)

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: NO INFORMATION AVAILABLE.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Sensitization: MAY CAUSE AN ALLERGIC SKIN REACTION.

Mutagenic effects: MAY CAUSE GENETIC DEFECTS.

Carcinogenicity:  
THIS PRODUCT CONTAINS ONE OR MORE SUBSTANCES WHICH ARE CLASSIFIED BY IARC AS CARCINOGENIC TO HUMANS (GROUP 1), PROBABLY CARCINOGENIC TO HUMANS (GROUP 2A) OR POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B).

CHEMICAL NAME ACGIH IARC NTP OSHA

CHROMIUM (III) OXIDE GROUP 3

CHEMICAL FRITS (LEAD FREE) A1 GROUP 1 KNOWN X  
A3 GROUP 2B REASONABLY ANTICIPATED  
A2 GROUP 2A

CHROME YELLOW (LEAD A3 GROUP 1 KNOWN X  
CHROMATE PIGMENT)

GROUP 2A REASONABLY ANTICIPATED

XYLENE, MIXED ISOMERS GROUP 3

TITANIUM DIOXIDE GROUP 2B

ETHYLBENZENE A3 GROUP 2B X

CARBON BLACK A3 GROUP 2B X

QUARTZ A2 GROUP 1 KNOWN X

CUMENE GROUP 2B

SILICON DIOXIDE GROUP 3

TOLUENE GROUP 3

ACGIH (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS):

\*\*\* KNOWN HUMAN CARCINOGEN  
SUSPECTED HUMAN CARCINOGEN

### A3 ANIMAL CARCINOGEN

IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER):  
GROUP 1 - CARCINOGENIC TO HUMANS  
GROUP 2A - PROBABLY CARCINOGENIC TO HUMANS  
GROUP 2B - POSSIBLY CARCINOGENIC TO HUMANS  
GROUP 3 - NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS

NTP (NATIONAL TOXICITY PROGRAM):  
KNOWN - KNOWN CARCINOGEN  
REASONABLY ANTICIPATED - REASONABLY ANTICIPATED TO BE A HUMAN CARCINOGEN

OSHA (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION): X - PRESENT

REPRODUCTIVE TOXICITY:  
PRODUCT IS OR CONTAINS A CHEMICAL WHICH IS A KNOWN OR SUSPECTED REPRODUCTIVE HAZARD.

STOT - SINGLE EXPOSURE: NO INFORMATION AVAILABLE.

STOT - REPEATED EXPOSURE:  
MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

CHRONIC TOXICITY:  
TITANIUM DIOXIDE HAS BEEN CLASSIFIED BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B) BY INHALATION. AVOID REPEATED EXPOSURE. ETHYLBENZENE HAS BEEN CLASSIFIED BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B). PROLONGED OR REPEATED OVEREXPOSURE TO ETHYLBENZENE MAY RESULT IN ADVERSE EFFECTS TO THE KIDNEYS, LIVER, RESPIRATORY SYSTEM, THYROID, TESTICLES, AND PITUITARY GLANDS. CONTAINS A KNOWN OR SUSPECTED REPRODUCTIVE TOXIN. MAY CAUSE ADVERSE EFFECTS ON THE BONE MARROW AND BLOOD-FORMING SYSTEM.

TARGET ORGAN EFFECTS:  
KIDNEY, RESPIRATORY SYSTEM, EYES, SKIN, CENTRAL NERVOUS SYSTEM (CNS), BLOOD, LUNGS, LYMPHATIC SYSTEM.

ASPIRATION HAZARD: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS

NUMERICAL MEASURES OF TOXICITY - PRODUCT:

ACUTE TOXICITY:  
32.76865% OF THE MIXTURE CONSISTS OF INGREDIENT(S) OF UNKNOWN TOXICITY.

THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT:

LD50 ORAL: 1039 MG/KG; ACUTE TOXICITY ESTIMATE

LD50 DERMAL: 7091 MG/KG; ACUTE TOXICITY ESTIMATE

INHALATION:  
DUST/MIST: 17 MG/L; ACUTE TOXICITY ESTIMATE  
VAPOR: 45.18 MG/L; ACUTE TOXICITY ESTIMATE

### -----12. ECOLOGICAL INFORMATION-----

ECOTOXICITY: TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

CHEMICAL NAME TOXICITY TO ALGAE TOXICITY TO FISH

PETROLEUM NAPHTHA, LC50 96 H:  
LIGHT AROMATIC =9.22 MG/L (ONCORHYNCHUS  
64742-95-6 MYKISS)

1,2,4-TRIMETHYL- LC50 96 H:  
BENZENE 7.19 - 8.28 MG/L  
95-63-6 FLOW-THROUGH (PIMEPHALES  
PROMELAS)

LC50 96 H:  
=7.72 MG/L FLOW-THROUGH  
(PIMEPHALES PROMELAS)

CHROME YELLOW (LEAD LC50 96 H:  
CHROMATE PIGMENT) >10000 MG/L STATIC  
1344-37-2 (LEUCISCUS IDUS)

XYLENE, MIXED EC50 72 H: LC50 96 H:  
ISOMERS =11 MG/L =13.4 MG/L FLOW-THROUGH  
1330-20-7 (PSEUDOKIRCHNERIELLA (PIMEPHALES PROMELAS)  
SUBCAPITATA)

LC50 96 H:  
2.661 - 4.093 MG/L  
STATIC (ONCORHYNCHUS  
MYKISS)

LC50 96 H:  
13.5 - 17.3 MG/L  
(ONCORHYNCHUS MYKISS)

LC50 96 H:  
13.1 - 16.5 MG/L  
FLOW-THROUGH (LEPOMIS  
MACROCHIRUS)

LC50 96 H:  
=19 MG/L (LEPOMIS  
MACROCHIRUS)

LC50 96 H:  
7.711 - 9.591 MG/L  
STATIC (LEPOMIS  
MACROCHIRUS)

LC50 96 H:



23.53 - 29.97 MG/L  
STATIC (PIMEPHALES  
PROMELAS)

LC50 96 H:  
=780 MG/L SEMI-STATIC  
(CYPRINUS CARPIO)

LC50 96 H:  
>780 MG/L (CYPRINUS  
CARPIO)

LC50 96 H:  
30.26 - 40.75 MG/L  
STATIC (POECILIA  
RETICULATA)

ETHYLBENZENE EC50 72 H: LC50 96 H:  
100-41-4 =4.6 MG/L 11.0 - 18.0 MG/L STATIC  
(PSEUDOKIRCHNERIELLA (ONCORHYNCHUS MYKISS)  
SUBCAPITATA)

LC50 96 H:  
EC50 96 H: =4.2 MG/L SEMI-STATIC  
>438 MG/L (ONCORHYNCHUS MYKISS)  
(PSEUDOKIRCHNERIELLA  
SUBCAPITATA)

LC50 96 H:  
7.55 - 11 MG/L  
EC50 72 H: FLOW-THROUGH (PIMEPHALES  
2.6 - 11.3 MG/L STATIC PROMELAS)  
(PSEUDOKIRCHNERIELLA  
SUBCAPITATA)

LC50 96 H:  
=32 MG/L STATIC (LEPOMIS  
MACROCHIRUS)

EC50 96 H:  
1.7 - 7.6 MG/L STATIC  
(PSEUDOKIRCHNERIELLA LC50 96 H:  
SUBCAPITATA) 9.1 - 15.6 MG/L STATIC  
(PIMEPHALES PROMELAS)

EC50 72 H: LC50 96 H:  
=11 MG/L =9.6 MG/L STATIC  
(PSEUDOKIRCHNERIELLA (POECILIA RETICULATA)  
SUBCAPITATA)

1,3,5-TRIMETHYL- LC50 96 H:  
BENZENE =3.48 MG/L (PIMEPHALES  
108-67-8 PROMELAS)

CARBON BLACK  
1333-86-4

CUMENE EC50 72 H: LC50 96 H:  
98-82-8 =2.6 MG/L 6.04-6.61 MG/L  
(PSEUDOKIRCHNERIELLA FLOW-THROUGH (PIMEPHALES  
SUBCAPITATA) PROMELAS)

LC50 96 H:  
=2.7 MG/L SEMI-STATIC  
(ONCORHYNCHUS MYKISS)

LC50 96 H:  
=4.8 MG/L FLOW-THROUGH  
(ONCORHYNCHUS MYKISS)

LC50 96 H:  
=5.1 MG/L SEMI-STATIC  
(POECILIA RETICULATA)

SILICON DIOXIDE EC50 72 H: LC50 96 H:  
7631-86-9 =440 MG/L =5000 MG/L STATIC  
(PSEUDOKIRCHNERIELLA (BRACHYDANIO RERIO)  
SUBCAPITATA)

2-ETHYLHEXANOIC ACID EC50 96 H: LC50 96 H:  
149-57-5 =41 MG/L (DESMODESMUS =70 MG/L (PIMEPHALES  
SUBSPICATUS) PROMELAS)

EC50 72 H:  
=61 MG/L (DESMODESMUS  
SUBSPICATUS)

TOLUENE EC50: LC50:  
108-88-3 >433 MG/L 15.22-19.05 MG/L  
(PSEUDOKIRCHNERIELLA PIMEPHALES PROMELAS 96 H  
SUBCAPITATA 96 H FLOW-THROUGH)

EC50: LC50:  
12.5 MG/L 12.6 MG/L PIMEPHALES  
(PSEUDOKIRCHNERIELLA PROMELAS 96 H STATIC  
SUBCAPITATA 72 H STATIC)

LC50:  
5.89-7.81 MG/L  
ONCORHYNCHUS MYKISS 96 H  
FLOW-THROUGH

LC50:  
14.1-17.16 MG/L  
ONCORHYNCHUS MYKISS 96 H  
STATIC

LC50:  
5.8 MG/L ONCORHYNCHUS  
MYKISS 96 H SEMI-STATIC

LC50:  
11.0-15.0 MG/L LEPOMIS  
MACROCHIRUS 96 H STATIC

LC50:  
54 MG/L ORYZIAS LATIPES

96 H STATIC

LC50:  
28.2 MG/L POECILIA  
RETICULATA 96 H  
SEMI-STATIC

LC50:  
50.87-70.34 MG/L  
POECILIA RETICULATA 96 H  
STATIC

CHEMICAL NAME TOXICITY TO DAPHNIA MAGNA (WATER  
MICROORGANISMS FLEA)

PETROLEUM NAPHTHA, EC50 48 H:  
LIGHT AROMATIC =6.14 MG/L (DAPHNIA  
MAGNA)

1,2,4-TRIMETHYL- EC50 48 H:  
BENZENE =6.14 MG/L (DAPHNIA  
MAGNA)

CHROME YELLOW EC50: >10000 MG/L 30 MIN  
(LEAD CHROMATE  
PIGMENT)

XYLENE, MIXED EC50 48 H:  
ISOMERS =3.82 MG/L (WATER FLEA)

LC50 48 H:  
=0.6 MG/L (GAMMARUS  
LACUSTRIS)

ETHYLBENZENE EC50: 9.68 MG/L 30 MIN EC50 48 H:  
EC50: 96 MG/L 24 H 1.8 - 2.4 MG/L  
(DAPHNIA MAGNA)

1,3,5-TRIMETHYL- EC50 24 H:  
BENZENE =50 MG/L (DAPHNIA MAGNA)

CARBON BLACK EC50 24 H:  
>5600 MG/L (DAPHNIA  
MAGNA)

CUMENE EC50: 0.89 MG/L 5 MIN EC50 48 H:  
EC50: 1.10 MG/L 15 MIN 7.9 - 14.1 MG/L STATIC  
EC50: 1.48 MG/L 30 MIN (DAPHNIA MAGNA)  
EC50: 172 MG/L 24 H  
EC50 48 H:  
=0.6 MG/L (DAPHNIA  
MAGNA)

SILICON DIOXIDE EC50 48 H:  
=7600 MG/L (CERIODAPHNIA  
DUBIA)

2-ETHYLHEXANOIC EC50: 110 MG/L 17 H EC50 48 H:  
ACID EC50: 670 MG/L 30 MIN =85.4 MG/L (DAPHNIA  
MAGNA)

TOLUENE EC50: 19.7 MG/L 30 MIN EC50 48 H:  
5.46 - 9.83 MG/L STATIC  
(DAPHNIA MAGNA)

EC50 48 H:  
=11.5 MG/L (DAPHNIA  
MAGNA)

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIOACCUMULATION:

CHEMICAL NAME LOG POW

1,2,4-TRIMETHYLBENZENE 3.63

XYLENE, MIXED ISOMERS 2.77 - 3.15

ETHYLBENZENE 3.118

CUMENE 3.55

2-ETHYLHEXANOIC ACID 2.7

TOLUENE 2.65

OTHER ADVERSE EFFECTS: NO INFORMATION AVAILABLE.

#### -----13. DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL METHODS: DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.

CONTAMINATED PACKAGING: DO NOT RE-USE EMPTY CONTAINERS.

US EPA WASTE NUMBER:

D001  
U055  
U220  
U239

CHEMICAL NAME RCRA RCRA - BASIS RCRA - D RCRA - U  
FOR LISTING SERIES WASTES SERIES WASTES

XYLENE, MIXED INCLUDED IN U239  
ISOMERS - WASTE STREAM:



1330-20-7 F039  
ETHYLBENZENE - INCLUDED IN  
100-41-4 WASTE STREAM:  
F039  
CUMENE - 98-82-8 U055  
TOLUENE - 108-88-3 U220 INCLUDED IN U220  
WASTE STREAMS:  
F005, F024,  
F025, F039,  
K015, K036,  
K037, K149,  
K151  
COMPONENT RCRA - HALOGENATED RCRA - P RCRA - F RCRA - K  
ORGANIC COMPOUNDS SERIES WASTES SERIES WASTES SERIES WASTES

TOLUENE TOXIC WASTE  
108-88-3 WASTE NUMBER  
(0.1-1) F025

WASTE  
DESCRIPTION:  
CONDENSED  
LIGHT ENDS,  
SPENT FILTERS  
AND FILTER  
AIDS, AND  
SPENT  
DESICCANT  
WASTES FROM  
THE PRODUCTION  
OF CERTAIN  
CHLORINATED  
ALIPHATIC  
HYDROCARBONS,  
BY FREE  
RADICAL  
CATALYZED  
PROCESSES.  
THESE  
CHLORINATED  
ALIPHATIC  
HYDROCARBONS  
ARE THOSE  
HAVING CARBON  
CHAIN LENGTHS  
RANGING FROM  
ONE TO AND  
INCLUDING  
FIVE, WITH  
VARYING  
AMOUNTS AND  
POSITIONS OF  
CHLORINE  
SUBSTITUTION.

PRODUCT CONTAINS ONE OR MORE SUBSTANCES THAT ARE LISTED WITH THE STATE  
CALIFORNIA AS A HAZARDOUS WASTE.

CHEMICAL NAME CALIFORNIA HAZARDOUS WASTE

CHROMIUM (III) OXIDE TOXIC  
CORROSIVE  
IGNITABLE

CHROME YELLOW (LEAD CHROMATE PIGMENT) TOXIC  
CORROSIVE  
IGNITABLE

XYLENE, MIXED ISOMERS TOXIC  
IGNITABLE

ETHYLBENZENE TOXIC  
IGNITABLE

CUMENE TOXIC  
IGNITABLE

TOLUENE TOXIC  
IGNITABLE

-----14. TRANSPORT INFORMATION -----

DOT:  
UN-NUMBER: UN1263  
PROPER SHIPPING NAME: PAINT  
HAZARD CLASS: 3  
PACKING GROUP: III  
DESCRIPTION: UN1263, PAINT, 3, III, MARINE POLLUTANT  
EMERGENCY RESPONSE GUIDE NUMBER: 128

TDG:  
UN-NUMBER: UN1263  
PROPER SHIPPING NAME: PAINT  
HAZARD CLASS: 3  
PACKING GROUP: III  
DESCRIPTION: UN1263, PAINT, 3, III, MARINE POLLUTANT

MEX:  
UN-NUMBER: UN1263  
PROPER SHIPPING NAME: PAINT  
HAZARD CLASS: 3  
PACKING GROUP: III  
DESCRIPTION: UN1263, PAINT, 3, III

ICAO:  
UN-NUMBER: UN1263  
PROPER SHIPPING NAME: PAINT  
HAZARD CLASS: 3  
PACKING GROUP: III  
DESCRIPTION: UN1263, PAINT, 3, III

IATA:  
UN-NUMBER: UN1263  
PROPER SHIPPING NAME: PAINT  
HAZARD CLASS: 3  
PACKING GROUP: III  
ERG CODE: 3L  
DESCRIPTION: UN1263, PAINT, 3, III

IMDG/IMO:  
UN-NUMBER: UN1263

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

PACKING GROUP: III

EMS NO.: F-E, S-E

MARINE POLLUTANT:  
PRODUCT IS A MARINE POLLUTANT ACCORDING TO THE CRITERIA SET BY IMDG/IMO

DESCRIPTION: UN1263, PAINT, 3, III, (42.22DEG. C C.C.), MARINE POLLUTANT

RID:  
UN-NUMBER: UN1263  
PROPER SHIPPING NAME: PAINT  
HAZARD CLASS: 3  
PACKING GROUP: III  
CLASSIFICATION CODE: F1  
DESCRIPTION: UN1263, PAINT, 3, III

ADR:  
UN-NUMBER: UN1263  
PROPER SHIPPING NAME: PAINT  
HAZARD CLASS: 3  
PACKING GROUP: III  
CLASSIFICATION CODE: F1  
TUNNEL RESTRICTION CODE: (D/E)  
DESCRIPTION: UN1263, PAINT, 3, III, (D/E)

ADN:  
PROPER SHIPPING NAME: PAINT  
HAZARD CLASS: 3  
PACKING GROUP: III  
CLASSIFICATION CODE: F1  
SPECIAL PROVISIONS: 163, 640E, 650  
DESCRIPTION: UN1263, PAINT, 3, III  
LIMITED QUANTITY: 5 L  
VENTILATION: VE01

-----15. REGULATORY INFORMATION -----

INTERNATIONAL INVENTORIES:

LEGEND:  
TSCA - UNITED STATES TOXIC SUBSTANCES CONTROL ACT SECTION 8(B) INVENTORY  
DSL/NDL - CANADIAN DOMESTIC SUBSTANCES LIST/NON-DOMESTIC SUBSTANCES LIST

U.S. FEDERAL REGULATIONS:  
SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION  
ACT OF 1986 (SARA). THIS PRODUCT CONTAINS A CHEMICAL OR CHEMICALS WHICH ARE  
SUBJECT TO THE REPORTING REQUIREMENTS OF THE ACT AND TITLE 40 OF THE CODE  
OF FEDERAL REGULATIONS, PART 372.

CHEMICAL NAME	CAS NO.	WEIGHT %	SARA 313 - THRESHOLD VALUES %
1,2,4 TRIMETHYLBENZENE	95-63-6	10-30	1.0
CHROMIUM (III) OXIDE	1308-38-9	10-30	1.0
CHEMICAL FRITS (LEAD FREE)	65997-18-4	10-30	0.1 1.0
CHROME YELLOW (LEAD CHROMATE PIGMENT)	1344-37-2	10-30	0.1
XYLENE, MIXED ISOMERS	1330-20-7	10-30	1.0
SPINELS, CHROMIUM COBALT IRON BLACK	68186-97-0	10-30	1.0
C.I. PIGMENT BLUE 28	1345-16-0	10-30	0.1
ETHYLBENZENE	100-41-4	5-10	0.1
CUMENE	98-82-8	1-5	1.0

SARA 311/312 HAZARD CATEGORIES:  
ACUTE HEALTH HAZARD: YES  
CHRONIC HEALTH HAZARD: YES  
FIRE HAZARD: YES  
SUDDEN RELEASE OF PRESSURE HAZARD: NO  
REACTIVE HAZARD: NO

CLEAN WATER ACT:  
THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES WHICH ARE REGULATED  
POLLUTANTS PURSUANT TO THE CLEAN WATER ACT (40 CFR 122.21 AND 40 CFR  
122.42):



CHEMICAL NAME QUANTITIES CWA - REPORTABLE POLLUTANTS CWA - TOXIC SUBSTANCES CWA - PRIORITY POLLUTANTS CWA - HAZARDOUS SUBSTANCES

CHROMIUM (III) OXIDE X  
CHEMICAL FRITS (LEAD FREE) X  
CHROME YELLOW (LEAD CHROMATE PIGMENT) X  
XYLENE, MIXED ISOMERS 100 LB X  
ETHYLBENZENE 1000 LB X X X  
TOLUENE 1000 LB X X X

CERCLA:  
THIS MATERIAL, AS SUPPLIED, CONTAINS ONE OR MORE SUBSTANCES REGULATED AS A HAZARDOUS SUBSTANCE UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) (40 CFR 302):

CHEMICAL NAME HAZARDOUS SUBSTANCES EXTREMELY HAZARDOUS SUBSTANCES RQ  
RQS RQS

XYLENE, MIXED ISOMERS 100 LB RQ: 100 LB FINAL RQ  
RQ: 45.4 KG FINAL RQ  
ETHYLBENZENE 1000 LB RQ: 1000 LB FINAL RQ  
RQ: 454 KG FINAL RQ  
CUMENE 5000 LB RQ: 5000 LB FINAL RQ  
RQ: 2270 KG FINAL RQ  
TOLUENE 1000 LB RQ: 1000 LB FINAL RQ  
RQ: 454 KG FINAL RQ

U.S. STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:  
THIS PRODUCT CONTAINS THE FOLLOWING PROPOSITION 65 CHEMICALS:

CHEMICAL NAME CAS-NO CALIFORNIA PROP. 65  
CHEMICAL FRITS (LEAD FREE) 65997-18-4 CARCINOGEN  
DEVELOPMENTAL  
CHROME YELLOW (LEAD CHROMATE PIGMENT) 1344-37-2 CARCINOGEN  
DEVELOPMENTAL  
FEMALE REPRODUCTIVE  
MALE REPRODUCTIVE  
TITANIUM DIOXIDE 13463-67-7 CARCINOGEN  
ETHYLBENZENE 100-41-4 CARCINOGEN  
CARBON BLACK 1333-86-4 CARCINOGEN  
QUARTZ 14808-60-7 CARCINOGEN  
CUMENE 98-82-8 CARCINOGEN  
2-ETHYLHEXANOIC ACID 149-57-5 DEVELOPMENTAL  
TOLUENE 108-88-3 DEVELOPMENTAL  
CHROMIUM (VI) 18540-29-9 CARCINOGEN  
DEVELOPMENTAL  
FEMALE REPRODUCTIVE  
MALE REPRODUCTIVE

U.S. STATE RIGHT-TO-KNOW REGULATIONS:  
"X" DESIGNATES THAT THE INGREDIENTS ARE LISTED ON THE STATE RIGHT TO KNOW LIST.

CHEMICAL NAME NEW JERSEY MASSACHUSETTS PENNSYLVANIA ILLINOIS RHODE ISLAND  
1,2,4-TRIMETHYLBENZENE X X X X X  
CHROMIUM (III) OXIDE X X X X X  
CHEMICAL FRITS (LEAD FREE) X X X  
CHROME YELLOW (LEAD CHROMATE PIGMENT) X X X  
XYLENE, MIXED ISOMERS X X X X X  
TITANIUM DIOXIDE X X  
C.I. PIGMENT BLUE 28 X X  
ETHYLBENZENE X X X X X  
1,2,4-TRIMETHYLBENZENE X X X X X

CARBON BLACK X X X X X  
QUARTZ X X X X  
DIETHYLBENZENE X  
CUMENE X X X X X  
STODDARD SOLVENT X X X X  
TOLUENE X X X X X

U.S. EPA LABEL INFORMATION:  
EPA PESTICIDE REGISTRATION NUMBER: NOT APPLICABLE

-----16. OTHER INFORMATION -----

NFPA:  
HEALTH HAZARD 2  
FLAMMABILITY 2  
INSTABILITY 0  
PHYSICAL AND CHEMICAL HAZARDS

HMS:  
HEALTH HAZARD 2\*  
FLAMMABILITY 2  
PHYSICAL HAZARD 0  
PERSONAL PROTECTION X

\*INDICATES A CHRONIC HEALTH HAZARD.

PREPARED BY:  
PRODUCT STEWARDSHIP  
23 BRITISH AMERICAN BLVD.  
LATHAM, NY 12110  
1-800-572-6501

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