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SDS

Common Name: DYKEM TRANSPARENT STAIN BULK - STEEL BLUE, STEEL RED AND BLACK

Manufacturer: ITW PROFESSIONAL BRANDS

SDS Revision Date: 4/9/2014

SDS Format: GHS-US

Item Number(s): 2C936, 2C945, 2C967, 2GKW1, 2GKW2, 2GKW3, 30E893, 30E901

Manufacturer Model Number(s):

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ITW PROFESSIONAL BRANDS

SAFETY DATA SHEET

ISSUING DATE: 09-APR-2014

REVISION DATE: 09-APR-2014

REVISION NUMBER: 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION



AND THE COMPANY/UNDERTAKING

GHS PRODUCT IDENTIFIER:

PRODUCT NAME: DYKEM TRANSPARENT STAIN BULK - STEEL BLUE, STEEL RED AND BLACK

OTHER MEANS OF IDENTIFICATION:

PART NUMBER:

DK BLUE - STEEL BLUE (80200, 80300 80400, 80600, 80700), RED - STEEL RED

(80296, 80396, 80496, 80696), BLACK (81731)

FORMULA CODE:

DK BLUE - STEEL BLUE (8706), RED - STEEL RED (8705), BLACK (8749)

UN-NUMBER: UN1263

SYNONYMS: NONE

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: STAINING COLORS

USES ADVISED AGAINST: NO INFORMATION AVAILABLE

SUPPLIER'S DETAILS:

SUPPLIER ADDRESS:

ITW PROFESSIONAL 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

SERIOUS EYE DAMAGE/EYE IRRITATION: CATEGORY 1

REPRODUCTIVE TOXICITY: CATEGORY 2

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

FLAMMABLE LIQUIDS: CATEGORY 2

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS:

EMERGENCY OVERVIEW:

SIGNAL WORD: DANGER

HAZARD STATEMENTS:

CAUSES SKIN IRRITATION
CAUSES SERIOUS EYE DAMAGE
SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD
MAY CAUSE RESPIRATORY IRRITATION
MAY CAUSE DROWSINESS OR DIZZINESS
HIGHLY FLAMMABLE LIQUID AND VAPOR.

EXCLAMATION MARK

HEALTH HAZARD

CORROSION

FLAME

APPEARANCE: RED, BLUE, BLACK, COLOR THIN VISCOSITY.

PHYSICAL STATE: LIQUID.

ODOR: SWEET, SOLVENT

PRECAUTIONARY STATEMENTS:

PREVENTION:

WASH FACE, HANDS AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING
AVOID BREATHING DUST/FUME/GAS/MIST/VAPORS/SPRAY
USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA
OBTAIN SPECIAL INSTRUCTIONS BEFORE USE
DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD
USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED
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
WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

GENERAL ADVICE:

IF EXPOSED OR CONCERNED: GET MEDICAL ATTENTION/ADVICE

SPECIFIC TREATMENT (SEE SUPPLEMENTAL FIRST AID INSTRUCTIONS ON THIS LABEL)

EYES:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES,
IF PRESENT AND EASY TO DO. CONTINUE RINSING

IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

SKIN:

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION

IF ON SKIN (OR HAIR):

TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER

WASH CONTAMINATED CLOTHING BEFORE REUSE.

INHALATION:

IF INHALED:

REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR
BREATHING.

FIRE:

IN CASE OF FIRE: USE CO2, DRY CHEMICAL, OR FOAM FOR EXTINCTION.

STORAGE:

STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED
STORE LOCKED UP.

DISPOSAL:

DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.

HAZARD NOT OTHERWISE CLASSIFIED (HNOC): NOT APPLICABLE

OTHER INFORMATION: TOXIC TO AQUATIC LIFE.

3. COMPOSITION/INFORMATION ON INGREDIENTS



CHEMICAL NAME	CAS-NO	WEIGHT %	TRADE SECRET
ETHANOL	64-17-5	30-60	*
N-BUTYL ACETATE	123-86-4	30-60	*
N-BUTYL ALCOHOL	71-36-3	10-30	*
DIACETONE ALCOHOL	123-42-2	3-7	*
ISOPROPYL ALCOHOL	67-63-0	1-5	*
N-PROPYL ACETATE	109-60-4	1-5	*
MALACHITE GREEN OXALATE	2437-29-8	0.1-1	*

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

4. FIRST AID MEASURES



DESCRIPTION OF NECESSARY FIRST-AID MEASURES:

GENERAL ADVICE:

IMMEDIATE MEDICAL ATTENTION IS REQUIRED. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

EYE CONTACT:

RINSE IMMEDIATELY WITH PLENTY OF WATER, ALSO UNDER THE EYELIDS, FOR AT LEAST 15 MINUTES. KEEP EYE WIDE OPEN WHILE RINSING. IMMEDIATE MEDICAL ATTENTION IS REQUIRED.

SKIN CONTACT:

WASH OFF IMMEDIATELY WITH PLENTY OF WATER. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-USE. IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN.

INHALATION:

MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

INGESTION:

IF LARGE QUANTITIES OF THIS MATERIAL ARE SWALLOWED, CALL A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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 (CO2). FOAM. DRY CHEMICAL. WATER FOG.

UNSUITABLE EXTINGUISHING MEDIA: NONE

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
FLAMMABLE. MOST VAPORS ARE HEAVIER THAN AIR. THEY WILL SPREAD ALONG GROUND AND COLLECT IN LOW OR CONFINED AREAS (SEWERS, BASEMENTS, TANKS). VAPORS MAY TRAVEL TO SOURCE OF IGNITION AND FLASH BACK.

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

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:
AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR. USE WATER SPRAY TO COOL SURROUNDING CONTAINERS.

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.

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. 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:
PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO.

METHODS FOR CLEANING UP:
GROUND AND BOND CONTAINERS WHEN TRANSFERRING MATERIAL.

SMALL SPILLAGE:
TAKE UP WITH SAND, EARTH OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL PICK UP AND TRANSFER TO PROPERLY LABELED CONTAINERS.

LARGE SPILLAGE: PUMP ANY FREE LIQUID INTO AN APPROPRIATE CLOSED CONTAINER.

7. HANDLING AND STORAGE



PRECAUTIONS FOR SAFE HANDLING:

HANDLING:
WEAR PERSONAL PROTECTIVE EQUIPMENT. 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. DO NOT BREATHE VAPORS OR SPRAY MIST. ENSURE ADEQUATE VENTILATION. TO AVOID IGNITION OF VAPORS BY STATIC ELECTRICITY DISCHARGE, ALL METAL PARTS OF THE EQUIPMENT MUST BE GROUNDED. USE ONLY IN AREA PROVIDED WITH APPROPRIATE EXHAUST VENTILATION. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE:

KEEP AWAY FROM OPEN FLAMES, HOT SURFACES AND SOURCES OF IGNITION. KEEP IN PROPERLY LABELED CONTAINERS. KEEP CONTAINERS TIGHTLY CLOSED IN A COOL, WELL-VENTILATED PLACE. KEEP OUT OF THE REACH OF CHILDREN.

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
ETHANOL 64-17-5	STEL: 1000 PPM	TWA: 1000 PPM TWA: 1900 MG/M3 (VACATED) TWA: 1000 PPM (VACATED) TWA: 1900 MG/M3	IDLH: 3300 PPM 10% LEL TWA: 1000 PPM TWA: 1900 MG/M3
N-BUTYL ACETATE 123-86-4	STEL: 200 PPM TWA: 150 PPM	TWA: 150 PPM TWA: 710 MG/M3 (VACATED) TWA: 150 PPM (VACATED) TWA: 710 MG/M3 (VACATED) STEL: 200 PPM (VACATED) STEL: 950 MG/M3	IDLH: 1700 PPM TWA: 150 PPM TWA: 710 MG/M3 STEL: 200 PPM STEL: 950 MG/M3
N-BUTYL ALCOHOL 71-36-3	TWA: 20 PPM	TWA: 100 PPM TWA: 300 MG/M3 (VACATED) S* (VACATED) CEILING: 50 PPM (VACATED) CEILING: 150 MG/M3	IDLH: 1400 PPM CEILING: 50 PPM CEILING: 150 MG/M3
DIACETONE ALCOHOL	TWA: 50 PPM	TWA: 50 PPM	IDLH: 1800 PPM

123-42-2

TWA: 240 MG/M3

TWA: 50 PPM

TWA: 240 MG/M3

(VACATED) TWA:
50 PPM(VACATED) TWA:
240 MG/M3ISOPROPYL ALCOHOL
67-63-0STEL: 400 PPM
TWA: 200 PPM

TWA: 400 PPM

IDLH:
2000 PPM 10% LEL

TWA: 980 MG/M3

(VACATED) TWA:
400 PPM(VACATED) TWA:
980 MG/M3(VACATED) STEL:
500 PPM(VACATED) STEL:
1225 MG/M3

TWA: 980 MG/M3

TWA: 400 PPM

STEL: 500 PPM

STEL: 1225 MG/M3

N-PROPYL ACETATE
109-60-4STEL: 250 PPM
TWA: 200 PPM

TWA: 200 PPM

IDLH: 1700 PPM

TWA: 840 MG/M3

TWA: 200 PPM

TWA: 840 MG/M3

(VACATED) TWA:
200 PPM

STEL: 250 PPM

STEL: 1050 MG/M3

(VACATED) TWA:
840 MG/M3(VACATED) STEL:
250 PPM(VACATED) STEL:
1050 MG/M3TRIPHENYL PHOSPHATE
115-86-6

TWA: 3 MG/M3

TWA: 3 MG/M3

IDLH: 1000 MG/M3

(VACATED) TWA:
3 MG/M3

TWA: 3 MG/M3

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:

NONE REQUIRED UNDER NORMAL USAGE. IF SPLASHES ARE LIKELY TO OCCUR, WEAR: CHEMICAL SPLASH GOGGLES.

SKIN AND BODY PROTECTION: CHEMICAL RESISTANT GLOVES

RESPIRATORY PROTECTION:

NONE REQUIRED UNDER NORMAL USAGE. 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:

RED, BLUE, BLACK COLOR: THIN VISCOSITY

ODOR: SWEET, SOLVENT

ODOR THRESHOLD: NO INFORMATION AVAILABLE

PROPERTY	VALUES	REMARKS / - METHOD
PH	NO DATA AVAILABLE	NONE KNOWN
MELTING POINT/RANGE	NO DATA AVAILABLE	NONE KNOWN
BOILING POINT/BOILING RANGE	76.667-125 DEG. C / 170-257 DEG. F	NONE KNOWN
FLASH POINT	11.667 DEG. C / 53 DEG. F	NONE KNOWN
EVAPORATION RATE	<1 (BUAC = 1)	BUAC = 1
FLAMMABILITY (SOLID, GAS)	NO DATA AVAILABLE	NONE KNOWN
FLAMMABILITY LIMITS IN AIR:		
UPPER FLAMMABILITY LIMIT	19.0	
LOWER FLAMMABILITY LIMIT	1.40	
VAPOR PRESSURE	NO DATA AVAILABLE	NONE KNOWN
VAPOR DENSITY	>1 (AIR = 1)	NONE KNOWN
SPECIFIC GRAVITY	NO DATA AVAILABLE.	NONE KNOWN
WATER SOLUBILITY	NEGLIGIBLE	NONE KNOWN
SOLUBILITY IN OTHER SOLVENTS	NO DATA AVAILABLE	NONE KNOWN
PARTITION COEFFICIENT	NO DATA AVAILABLE	NONE KNOWN

N-OCTANOL/WATER

AUTOIGNITION TEMPERATURE NO DATA AVAILABLE NONE KNOWN

DECOMPOSITION TEMPERATURE NO DATA AVAILABLE NONE KNOWN

VISCOSITY NO DATA AVAILABLE NONE KNOWN

FLAMMABLE PROPERTIES HIGHLY FLAMMABLE:
WILL BE EASILY
IGNITED BY HEAT,
SPARKS OR FLAMES.

EXPLOSIVE PROPERTIES NO DATA AVAILABLE

OXIDIZING PROPERTIES NO DATA AVAILABLE

OTHER INFORMATION:

VOC CONTENT (%) 8706 DK BLUE/STEEL
BLUE: 93.24%

8705 RED/STEEL RED:
92.46%

8749 BLACK: 87.21%

VOC (G/L) 8706 DK BLUE/STEEL
BLUE: 790 G/L

8705 RED/STEEL RED:
795 G/L

8749 BLACK: 753 G/L

10. STABILITY AND REACTIVITY



REACTIVITY: NO DATA AVAILABLE.

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

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 MONOXIDE (CO). CARBON DIOXIDE (CO2). SOOT.

11. TOXICOLOGICAL INFORMATION



INFORMATION ON LIKELY ROUTES OF EXPOSURE:

PRODUCT INFORMATION:

INHALATION:

INHALATION OF VAPORS IN HIGH CONCENTRATION MAY CAUSE IRRITATION OF RESPIRATORY SYSTEM. MAY CAUSE DROWSINESS AND DIZZINESS.

EYE CONTACT: IRRITATING TO EYES. CAUSES SERIOUS EYE DAMAGE.

SKIN CONTACT: CAUSES SKIN IRRITATION.

INGESTION:

MAY BE HARMFUL IF SWALLOWED. INGESTION MAY CAUSE NAUSEA AND VOMITING.

CHEMICAL NAME	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
ETHANOL	= 7060 MG/KG (RAT)		= 124.7 MG/L (RAT) 4 H
N-BUTYL ACETATE	= 10768 MG/KG (RAT)	>17600 MG/KG (RABBIT)	= 391 PPM (RAT) 4 H
N-BUTYL ALCOHOL	= 790 MG/KG (RAT)	= 3400 MG/KG (RABBIT)	= 8000 PPM (RAT) 4 H
DIACETONE ALCOHOL	= 4 G/KG (RAT)	= 13500 MG/KG (RABBIT)	
ISOPROPYL ALCOHOL	= 4396 MG/KG (RAT)	12800 MG/KG (RAT)	72.6 MG/L (RAT) 4 H
		12870 MG/KG (RABBIT)	
N-PROPYL ACETATE	= 9370 MG/KG (RAT)	>17760 MG/KG (RABBIT)	
TRIPHENYL PHOSPHATE	= 3500 MG/KG (RAT)	>7900 MG/KG (RABBIT)	
MALACHITE GREEN OXALATE	= 275 MG/KG (RAT)		

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: NO INFORMATION AVAILABLE.

MUTAGENIC EFFECTS: NO INFORMATION AVAILABLE.

CARCINOGENICITY:

ETHANOL HAS BEEN SHOWN TO BE CARCINOGENIC IN LONG-TERM STUDIES ONLY WHEN CONSUMED AND ABUSED AS AN ALCOHOLIC BEVERAGE. THE TABLE BELOW INDICATES WHETHER EACH AGENCY HAS LISTED ANY INGREDIENT AS A CARCINOGEN.

CHEMICAL NAME	ACGIH	IARC	NTP	OSHA
ETHANOL	A3	GROUP 1	KNOWN	X
ISOPROPYL ALCOHOL		GROUP 3		X

ACGIH: (AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS)
A3 - ANIMAL CARCINOGEN

IARC: (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER)

GROUP 1: CARCINOGENIC TO HUMANS

GROUP 3: NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS

NTP: (NATIONAL TOXICITY PROGRAM)
KNOWN - KNOWN CARCINOGEN

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

REPRODUCTIVE TOXICITY: MAY DAMAGE FERTILITY OR THE UNBORN CHILD

STOT - SINGLE EXPOSURE: NO INFORMATION AVAILABLE.

STOT - REPEATED EXPOSURE: NO INFORMATION AVAILABLE.

CHRONIC TOXICITY:

AVOID REPEATED EXPOSURE. CONTAINS A KNOWN OR SUSPECTED REPRODUCTIVE TOXIN. MAY CAUSE ADVERSE LIVER EFFECTS. ETHANOL HAS BEEN SHOWN TO BE A REPRODUCTIVE TOXIN ONLY WHEN CONSUMED AS AN ALCOHOLIC BEVERAGE. ETHANOL HAS BEEN SHOWN TO BE CARCINOGENIC IN LONG-TERM STUDIES ONLY WHEN CONSUMED AS ALCOHOLIC BEVERAGE. MAY CAUSE ADVERSE EFFECTS ON THE BONE MARROW AND BLOOD-FORMING SYSTEM.

TARGET ORGAN EFFECTS:

RESPIRATORY SYSTEM. EYES. SKIN CENTRAL NERVOUS SYSTEM (CNS).

ASPIRATION HAZARD: NO INFORMATION AVAILABLE.

NUMERICAL MEASURES OF TOXICITY - PRODUCT:

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

LD50 ORAL: 2741 MG/KG; ACUTE TOXICITY ESTIMATE

LD50 DERMAL: 17753 MG/KG; ACUTE TOXICITY ESTIMATE

INHALATION:

DUST/MIST: 33.1 MG/L; ACUTE TOXICITY ESTIMATE

VAPOR: 133 3 MG/L; ACUTE TOXICITY ESTIMATE

12. ECOLOGICAL INFORMATION



THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED AS A SEVERE MARINE POLLUTANT ACCORDING TO DOT.

ECOTOXICITY:

THE ENVIRONMENTAL IMPACT OF THIS PRODUCT HAS NOT BEEN FULLY INVESTIGATED.

CHEMICAL NAME	TOXICITY TO ALGAE	TOXICITY TO FISH
ETHANOL 64-17-5		LC50 96 H: 12.0 - 16.0 ML/L STATIC (ONCORHYNCHUS MYKISS)
		LC50 96 H: > 100 MG/L STATIC (PIMEPHALES PROMELAS)
		LC50 96 H: 13400 - 15100 MG/L FLOW-THROUGH (PIMEPHALES PROMELAS)
N-BUTYL ACETATE 123-86-4	EC50 72 H: = 674.7 MG/L	LC50 96 H: 17 - 19 MG/L

	(DESMODESMUS SUBSPICATUS)	FLOW-THROUGH (PIMEPHALES PROMELAS)
		LC50 96 H: = 100 MG/L STATIC (LEPOMIS MACROCHIRUS)
		LC50 96 H: = 62 MG/L STATIC (LEUCISCUS IDUS)
N-BUTYL ALCOHOL 71-36-3	EC50 96 H: >500 MG/L (DESMODESMUS SUBSPICATUS)	LC50 96 H: 1730 - 1910 MG/L STATIC (PIMEPHALES PROMELAS)
	EC50 72 H: > 500 MG/L (DESMODESMUS SUBSPICATUS)	LC50 96 H: 1740 MG/L FLOW-THROUGH (PIMEPHALES PROMELAS)
		LC50 96H: 100000-500000 (MICRO)G/L STATIC (LEPOMIS MACROCHIRUS)
		LC50 96 H: = 1910000 (MICRO)G/L STATIC (PIMEPHALES PROMELAS)
DIACETONE ALCOHOL 123-42-2		LC50 96 H: = 420 MG/L STATIC (LEPOMIS MACROCHIRUS)
		LC50 96 H: = 420 MG/L (LEPOMIS MACROCHIRUS)
ISOPROPYL ALCOHOL 67-63-0	EC50 96 H: >1000 MG/L (DESMODESMUS SUBSPICATUS)	LC50 96 H: = 11130 MG/L STATIC (PIMEPHALES PROMELAS)
	EC50 72 H: > 1000 MG/L (DESMODESMUS SUBSPICATUS)	LC50 96 H: = 9640 MG/L FLOW-THROUGH (PIMEPHALES PROMELAS)
		LC50 96 H: > 1400000 (MICRO)G/L (LEPOMIS MACROCHIRUS)
N-PROPYL ACETATE 109-60-4		LC50 96 H: 56-64 MG/L FLOW-THROUGH (PIMEPHALES PROMELAS)
		LC50 96 H: 56-64 MG/L STATIC (PIMEPHALES PROMELAS)
TRIPHENYL PHOSPHATE 115-86-6	EC50 96 H: 0.6 - 4 MG/L STATIC (PSEUDOKIRCHNERIELLA SUBCAPITATA)	LC50 96 H: 0.28 - 0.5 MG/L STATIC (ONCORHYNCHUS MYKISS)
		LC50 96 H: 0.81 - 0.94 MG/L FLOW-THROUGH (PIMEPHALES PROMELAS)

LC50 96 H:
0.53 - 0.8 MG/L STATIC
(PIMEPHALES PROMELAS)

LC50 96 H:
0.47 - 1.04 MG/L STATIC
(LEPOMIS MACROCHIRUS)

LC50 96 H:
= 1.2 MG/L STATIC
(ORYZIAS LATIPES)

CHEMICAL NAME	TOXICITY TO MICROORGANISMS	DAPHNIA MAGNA (WATER FLEA)
ETHANOL	EC50: = 34634 MG/L 30 MIN EC50: = 35470 MG/L 5 MIN	LC50 48 H: 9268 - 14221 MG/L (DAPHNIA MAGNA) EC50 24 H: = 10800 MG/L (DAPHNIA MAGNA) EC50 48 H: = 2 MG/L STATIC (DAPHNIA MAGNA)
N-BUTYL ACETATE	EC50: = 70.0 MG/L 5 MIN EC50: = 82.2 MG/L 15 MIN EC50: = 959 MG/L 18 H EC50: = 98.9 MG/L 30 MIN	EC50 24 H: = 72.8 MG/L (DAPHNIA MAGNA)
N-BUTYL ALCOHOL	EC50: = 2041.4 MG/L 5 MIN EC50: = 2186 MG/L 30 MIN EC50: = 3980 MG/L 24 H EC50: = 4400 MG/L 17 H	EC50 48 H: = 1983 MG/L (DAPHNIA MAGNA) EC50 48 H: 1897 - 2072 MG/L STATIC (DAPHNIA MAGNA)
DIACETONE ALCOHOL		EC50 24 H: = 8750 MG/L (DAPHNIA MAGNA)
ISOPROPYL ALCOHOL		EC50 48 H: = 13299 MG/L (DAPHNIA MAGNA)
N-PROPYL ACETATE		EC50 24 H: = 318 MG/L (DAPHNIA MAGNA)
TRIPHENYL PHOSPHATE		EC50 48 H: 0.86 - 1.2 MG/L (DAPHNIA MAGNA)

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIOACCUMULATION:

CHEMICAL NAME	LOG POW
ETHANOL	-0.32
N-BUTYL ACETATE	1.81

N-BUTYL ALCOHOL 0.785
 DIACETONE ALCOHOL 1.03
 ISOPROPYL ALCOHOL 0.05

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
 U031

CHEMICAL NAME	RCRA	RCRA - BASIS FOR LISTING	RCRA - D SERIES WASTES	RCRA - U SERIES WASTES
N-BUTYL ALCOHOL 71-36-3		INCLUDED IN WASTE STREAM: F039		U031

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

CHEMICAL NAME	CALIFORNIA HAZARDOUS WASTE
ETHANOL	TOXIC IGNITABLE
N-BUTYL ACETATE	TOXIC
N-BUTYL ALCOHOL	TOXIC
ISOPROPYL ALCOHOL	TOXIC IGNITABLE
NITROCELLULOSE	IGNITABLE REACTIVE
N-PROPYL ACETATE	TOXIC IGNITABLE
XANTHYLIUM, 9- (2-CARBOXYPHENYL) - 3, 6-BIS (DIETHYL AMINO) -, HYDROGENBIS [3- [(4, 5-DIHYDRO-3-METHYL-5	TOXIC CORROSIVE IGNITABLE

14. TRANSPORT INFORMATION



DOT:

UN-NUMBER: UN1263

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

PACKING GROUP: II

REPORTABLE QUANTITY (RQ):

N-BUTYL ACETATE:

RQ KG: 5127.74

1-BUTANOL:

RQ KG: 13791.68

MARINE POLLUTANT:

THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED AS A SEVERE MARINE POLLUTANT ACCORDING TO DOT.

DESCRIPTION: UN1263, PAINT, 3, II, RQ

EMERGENCY RESPONSE GUIDE NUMBER: 128

TDG:

UN-NUMBER: UN1263

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

PACKING GROUP: II

MARINE POLLUTANT:

THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED AS A SEVERE MARINE POLLUTANT ACCORDING TO TDG.

DESCRIPTION: UN1263, PAINT, 3, II

MEX:

UN-NUMBER: UN1263

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

PACKING GROUP: II

DESCRIPTION: UN1263, PAINT, 3, II

ICAO:

UN-NUMBER: UN1263

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

PACKING GROUP: II

DESCRIPTION: UN1263, PAINT, 3, II

IATA:

UN-NUMBER: UN1263

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

PACKING GROUP: II

ERG CODE: 3L

DESCRIPTION: UN1263, PAINT, 3, II

IMDG/IMO:

UN-NUMBER: UN1263

PROPER SHIPPING NAME: PAINT

HAZARD CLASS: 3

PACKING GROUP: II

EMS NO.: F-E, S-E

MARINE POLLUTANT:

THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED AS A SEVERE MARINE POLLUTANT ACCORDING TO IMDG/IMO

DESCRIPTION: UN1263, PAINT, 3, II, (11.667 DEG. C C.C.)

RID:

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

ADR:

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

ADN:

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

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES:

TSCA: COMPLIES

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 %
N-BUTYL ALCOHOL	71-36-3	16.4592	1.0
ISOPROPYL ALCOHOL	67-63-0	3.9715	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	CWA - REPORTABLE QUANTITIES	CWA - TOXIC POLLUTANTS	CWA - PRIORITY POLLUTANTS	CWA - HAZARDOUS SUBSTANCES
N-BUTYL ACETATE	5000 LB			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 RQS	EXTREMELY HAZARDOUS SUBSTANCES RQS	RQ
N-BUTYL ACETATE	5000 LB		RQ: 5000 LB FINAL RQ RQ: 2270 KG FINAL RQ
N-BUTYL ALCOHOL	5000 LB		RQ: 5000 LB FINAL RQ RQ: 2270 KG FINAL RQ

U.S. STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS THE FOLLOWING PROPOSITION 65 CHEMICALS:
ETHYL ALCOHOL IS ONLY CONSIDERED A PROPOSITION 65 DEVELOPMENTAL HAZARD WHEN IT IS INGESTED AS AN ALCOHOLIC BEVERAGE.

CHEMICAL NAME	CAS-NO	CALIFORNIA PROP. 65
ETHANOL	64-17-5	DEVELOPMENTAL
MICHLER'S KETONE	90-94-8	CARCINOGEN

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
ETHANOL	X	X	X		
N-BUTYL ACETATE	X	X	X		X
N-BUTYL ALCOHOL	X	X	X		X
DIACETONE ALCOHOL	X	X	X		X
ISOPROPYL ALCOHOL	X	X	X		X
NITROCELLULOSE	X	X	X		X
N-PROPYL ACETATE	X	X	X		X
TRIPHENYL PHOSPHATE	X	X	X		X

U.S. EPA LABEL INFORMATION:

EPA PESTICIDE REGISTRATION NUMBER: NOT APPLICABLE

**16. OTHER INFORMATION**

NFPA:
HEALTH HAZARD 2
FLAMMABILITY 3
INSTABILITY 0
PHYSICAL AND CHEMICAL HAZARDS

HMIS:
HEALTH HAZARD 2
FLAMMABILITY 3
PHYSICAL HAZARD 0
PERSONAL PROTECTION X

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ISSUING DATE: 09-APR-2014

REVISION DATE: 09-APR-2014

REVISION NOTE: INITIAL RELEASE.

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WPS-ITW-025 - DYKEM TRANSPARENT STAIN BULK - STEEL BLUE, STEEL RED AND BLACK