

SAFETY DATA SHEET

Poly- Tone

1 – IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

PRODUCT NAME: Poly-Tone Clear and Colors
PRODUCT NUMBER: 3-xxx
RECOMMENDED USE: Aircraft coatings and cleaners
RESTRICTIONS ON USE: Not applicable
SUPPLIER: Poly-Fiber, Inc.
P.O. Box 3129, Riverside, CA 92519, USA
4343 Fort Drive, Riverside, CA 92509, USA
(951) 684-4280
(951) 809-7144
(760) 782-1947
EMERGENCY TELEPHONE: (800) 424-9300 (Chemtrec- US)
(703) 527-3887 (International – Call Collect)

* =White pigments
** =Yellow/Orange pigments
*** =Red pigments
**** =Black pigments

2 - HAZARDS IDENTIFICATION

GHS Hazard Category

Flammable liquid- Category 2
Eye Irritation - Category 2A
Skin Irritation- Category 2
Respiratory Irritation- Category 3
Specific target organ toxicity (single exposure) – Category 3, Central Nervous System H336

Label Elements

Pictograms



Signal Word

DANGER

Hazard Statements

Highly flammable. Irritating to eyes and skin
May cause drowsiness or dizziness
Harmful: danger of serious damage to health by prolonged exposure through inhalation
Possible risk of harm to the unborn child
Harmful: may cause lung damage if swallowed

Precautionary Statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Store in a well-ventilated place. Keep container tightly closed. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area. Vapors may cause drowsiness and dizziness.

Response**INHALATION:**

Move the victim to a fresh air place immediately. Get medical attention if discomforts persist.

INGESTION:

Rinse mouth with clean water immediately. DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep the victim's head low so that vomits from the stomach will not enter the lungs.

SKIN CONTACT:

Remove contaminated clothing and flush the affected skin areas with clean water for at least 15 minutes. Get medical attention if discomforts persist.

EYES CONTACT:

Make sure all contact lenses are removed before flushing the eyes with eye lids open with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Storage

Store in a well-ventilated Place. Keep container tightly closed. Keep cool. Store in a locked cabinet, cage or room.

Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

CLASSIFICATION (1999/45) Xn,R48/20,R65, Repr.Cat.3, Xi, R36/38, F, R11, R67

3 – COMPOSITION /INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content %	Classification (67/548/EEC)
Toluene	203-625-9	108-88-3	40-50%	R11, R20, S16, S25, S29, S33
Titanium Dioxide	236-675-5	13463-67-7	10-20%	No R-Phrases, S24/25
Methyl Isobutyl Ketone	203-550-1	108-10-1	10-20%	XI, F, R11, R20, S29, S9, S16
Methyl n-Amyl Ketone	203-767-1	110-43-0	10-20%	R10, R22, S23
**C.I. Pigment Yellow 34/C.I. Pigment Red 104	215-693-7 235-759-9	1344-37-2 12656-85-8	10-20%	T, N, R33, R45, R50/53, R61, R62, S45, S53, S60, S61 GHS: H351, H360Df, H373, H410, P201, P202, P210, P260, P273, P280, P308+P313, P314, P391, P405, P501 H226
Methyl Ethyl Ketone	201-159-0	78-93-3	0-10%	XI, F, R11, R36, R66, R67
***C.I. Pigment Red 104	235-759-9	12656-85-8	10-20%	H226, H351, H360Df, H373, P201, P202, P210, P260, P273, P280, P308+P313, P314, P391, P405, P501
***Carbon Black	215-609-9	1333-86-4	0-10	XN, R40, S36/37 GHS: H351, H313, P201, P202, P280, P308+P313, P405, P501
Propylene Oxide	200-879-2	75-56-9	0-10%	R12, R20, R21, R22, R36, R37, R38, R45, R46, S45, S53
n-Butanol	200-751-6	71-36-3	0-10%	XN, R10, R22, R37/38, R41, R67, S13, S26, S37/39, S46, S7/9
Glycol Ether EB	203-905-0	111-76-2	0-10%	XN, R20/21/22, R36/38, S36/37, S46

The Full Text for all R-Phrases and S-Phrases is displayed in Section 15

COMPOSITION COMMENTS

The data shown are in accordance with the latest EC Directives.

4- FIRST AID MEASURES**INHALATION:**

Move the victim to a fresh air place immediately. Get medical attention if discomforts persist.

INGESTION:

Rinse mouth with clean water immediately. DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep the victim's Head low so that vomit from the stomach will not enter the lungs.

SKIN CONTACT:

Remove contaminated clothing and flush the affected skin areas with clean water for at least 15 minutes. Get medical attention if discomfort persists.

EYES CONTACT:

Make sure all contact lenses are removed before flushing the eyes with eye lids open with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

5- FIRE FIGHTING PROCEDURES**EXTINGUISHING MEDIA:**

Fire can be extinguished by using Foam, carbon dioxide, or dry powder Dry Chemicals, sand, dolomite, etc...

SPECIAL FIREFIGHTING PROCEDURES:

Do not use a direct stream of water. Product may float and can be reignited on the surface of the water. Do not enter a confined area without full bunker gear including a positive-pressure NIOSH-approved self-contained breathing apparatus. Decomposition products may form toxic materials.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Never use welding or cutting torch on or near drum (even empty) because residue or product can ignite explosively. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, flames and other ignition sources at locations distant from the material handling point. Flammable material.

6-ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS:**

Wear protective clothing as described in Section 8.

ENVIRONMENTAL PRECAUTIONS:

Spillages or uncontrolled discharges into watercourses must immediately be alerted to Environmental Agency or other appropriate regulatory authority.

SPILL CLEANUP METHODS:

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, open flames, and smoking. Ventilate. Absorb in vermiculite, dry sand, or earth and place into containers for disposal.

7-HANDLING AND STORAGE**USAGE PRECAUTIONS:**

Keep away from heat, sparks and open flames. Avoid spilling, skin and eyes contact. Use with adequate ventilation and avoid excessive exposure to solvent vapors. Use approved respirator if air contamination exceeds the accepted level.

STORAGE PRECAUTIONS:

FLAMMABLE/Combustible. Keep away from oxidizers, open flames and other ignition sources. Keep unused contents in original container and tightly closed lids. Store in a cool, dry and well-ventilated place and at an ambient Temperature not to exceeding above 120° F.

STORAGE CLASS:

FLAMMABLE liquid storage.

8-EXPOSURE CONTROL/PERSONAL PROTECTION

Name	Workplace Exposure Limits	Remarks
Toluene	ACGIH: 20 ppm TWA NIOSH: 100 ppm TWA; 375 mg/m ³ TWA 500 ppm IDLH OSHA-Final PELs: 200 ppm TWA; 300 ppm Ceiling	Consult local authorities for acceptable exposure limits.
Methyl Ethyl Ketone	ACGIH: 200ppm TWA; 300ppm STEL NIOSH: 200ppm TWA;590 mg/m ³ TWA; 3000ppm IDLH OSHA –Final PELs: 200ppm TWA; 590 mg/m ³ TWA	Same As Above

Titanium Dioxide	ACGIH: 10 mg/m ³ TWA NIOSH: 5000 mg/m ³ IDLH OSHA-Final PELs: 15 mg/m ³ TWA (Total Dust)	Same As Above
**C.I. Pigment Yellow 34/C.I. Pigment Red 104	ACGIH: 0.05 mg(Pb)/m ³ TWA and 0.012 mg(Cr)/m ³ TWA NIOSH: 0.10 mg(Pb)/m ³ TWA and 0.001 mg(Cr(VI))/m ³ TWA OSHA-Final PELs: 50 ug(Pb)/m ³ TWA 8 hour(s), 30 ug(Pb)/m ³ action level 8 hour(s) and 0.1 mg(CRO ₃)/m ³ OSHA ceiling	Same As Above
***C.I. Pigment Red 104	ACGIH: 0.05 mg(Pb)/m ³ TWA and 0.012 mg(Cr)/m ³ TWA NIOSH: 0.10 mg(Pb)/m ³ and 0.001 mg(Cr(VI))/m ³ TWA OSHA-Final PELs: 50 ug(Pb)/m ³ TWA 8 hour(s), 30 ug(Pb)/m ³ action level 8 hour(s) and 0.1 mg(CRO ₃)/m ³ OSHA ceiling	Same As Above
Methyl Isobutyl Ketone	ACGIH: 50 ppm; 75 ppm STEL NIOSH: 50 ppm TWA; 205 mg/m ³ TWA 500 ppm IDLH OSHA-Final PELs: 100 ppm TWA; 410 mg/m ³ TWA	Same As Above
Methyl N-Amyl Ketone	ACGIH: 50 ppm TWA OSHA: 100 ppm TWA	Same As Above
***Carbon Black	ACGIH: 3.5 mg/m ³ TWA NIOSH: 3.5 mg/m ³ TWA OSHA-Final PEL: 3.5 mg/m ³	Same As Above
Propylene Oxide	ACGIH: 2ppm TWA NIOSH: 400 ppm TWA OSHA-Final PELs: 100ppm TWA,240 mg/m ³ TWA 240 mg/m ³ TWA	Same As Above
Glycol Ether EB	ACGIH: 20 ppm TWA NIOSH: 5 ppm TWA; 24 mg/m ³ TWA 700 ppm IDLH OSHA-Final PELs: 50 ppm TWA; 240 mg/m ³ TWA	Same As Above
n-Butanol	ACGIH: 20 ppm TWA NIOSH: 1400 ppm IDLH OSHA-Final PELs: 100 ppm TWA; 300 mg/m ³ TWA	Same As Above



PROTECTIVE EQUIPMENTS:
 PROCESS CONDITIONS:
 ENGINEERING MEASURES:
 RESPIRATORY EQUIPMENT:
 HANDPROTECTION:
 EYE PROTECTION:
 OTHER PROTECTION:
 HYGIENE MEASURES:

Provide eyewash station.
 Provide adequate ventilation. Fully equipped spray booth is recommended to ensure the workers legal exposure limits are not exceeded.
 Wear respirator with appropriate cartridge for organic solvents and chemicals.
 Wear approved gloves such as Neoprene, Nitrile or Rubber types.
 Wear splash-proof goggles.
 Wear appropriate clothing to prevent any possible skin contact.
 DO NOT SMOKE IN THE WORK AREA. Wash at the end of each work shift and before eating, drinking or smoking. Promptly remove contaminated clothing.

9- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid
COLOR:	Clear and several colors.
ODOR:	Ketone characteristics
BOILING POINT:	175-345°F
RELATIVE DENSITY:	0.87 g/mL
VAPOR DENSITY:	Heavier than air
FLASH POINT:	45°F (Closed Cup)
FLAMMABILITY LIMITS:	0.8 (Lower%)
SOLUBILITY VALUE (g/100g H ₂ O @ 20°C):	Insoluble
VOLATILE ORGANIC COMPOUND (VOC):	754 g/L

10- STABILITY AND REACTIVITY

STABILITY:

Stable

CONDITIONS TO AVOID:

Heat and fires. Ignition sources.

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong alkalines or strong oxidizers. This material may dissolve some plastics, rubber compounds or coatings. May react strongly with acids while in liquid form.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Hydrogen chloride and very small amounts of phosgene and chlorine.

HAZARDOUS POLYMERIZATION:

N/A

11-TOXICOLOGICAL INFORMATION

Toluene (CAS# 108-88-3): ACGIH: A4-Not Classifiable as a Human Carcinogen; IARC: Group 3 carcinogen; No other toxicological information available.

Methyl Ethyl Ketone (CAS# 78-93-3): LD50/rabbit/skin/draze test = 500mg/24H Moderate; LC50/mouse/inhalation = 32mg/m³/4H; Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

****C.I. Pigment Yellow 34 (CAS#1344-37-2):** CARCINOGEN STATUS: NTP: Known Human Carcinogen; IARC: Human Inadequate Evidence, Animal Sufficient Evidence, Group 2B (Lead and inorganic lead compounds), Human Sufficient Evidence, Animal Sufficient Evidence, Group 1 (Hexavalent chromium compounds); ACGIH: A2 -Suspected Human Carcinogen TARGET ORGANS: immune system (sensitizer), nervous system, kidneys, teratogen

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: blood system disorders, heart or cardiovascular disorders, liver disorders, respiratory disorders, skin disorders and allergies

ADDITIONAL DATA: May be excreted in breast milk.

Titanium Dioxide (CAS#13463-67-7) LD50/Rat/Oral>5000mg/kg. **Carcinogenicity:** Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Methyl Isobutyl Ketone (CAS#108-10-1): LD50/rat/oral = 2080mg/kg; Carcinogenicity: Not listed by NTP or IARC.

Methyl n-Amyl Ketone (CAS#110-43-0): LD50/rabbit/dermal = 12.6mL/kg; LD50/rat/oral = 1600mg/kg; Carcinogenicity: Not listed by IARC, NTP or OSHA.

*****C.I. Pigment Red 104 (CAS#12656-85-8):** LD50 oral (rat): > 10000 mg/kg bodyweight (OECD 401 method), LD50 dermal (rat): No Data Available, LD 50 inhalation (rat): No Data Available. Skin Corrosion/irritation: Not classified (No Data Available). Serious eye damage/irritation: Not Classified (No Data Available). Respiratory or skin sensitization: Not Classified. Germ cell mutagenicity: Not Classified. Carcinogenicity: Suspected of causing cancer. Reproductive toxicity: May damage the unborn child. Suspected of damaging fertility. Specific target organ toxicity (single exposure): Not Classified. Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure. (route: oral, target organs: liver, kidney, blood production/hematopoiesis). Aspiration hazard: Not Classified.

*****Carbon Black (CAS#1333-86-4) :** LD50/LC50: Oral, rat: LD50 = >15400 mg/kg; Skin, rabbit: LD50 = >3 gm/kg; **Carcinogenicity:** ACGIH: Not listed. **California:** carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size. **NTP:** Not listed.. **IARC:** Group 2B carcinogen.

Epidemiology: No data available.

Teratogenicity: No information found

Reproductive Effects: No information found

Mutagenicity: See actual entry in RTECS for complete information. **Neurotoxicity:** No information found

Glycol Ether EB (CAS#111-76-2): Carcinogenicity: Not listed by NTP, IARC or OSHA.

Propylene Oxide (CAS#75-56-9): LC50/mouse = 1740ppm, 4 hrs; Carcinogenicity: listed in NTP and classified by IARC.

N-Butanol (CAS#71-36-3) : LD50/rat/oral=2500 mg/kg; LD50/rabbit/oral=3400 mg/kg; LC50/rat/inhalation/4 hrs >8000ppm; LD50/rabbit/dermal=5300 mg/kg; Skin Irritation/rabbit=slight; Eye Irritation=strong

Carbamic acid, butyl-, 3-iodo-2-propynyl ester (CAS# 55406-53-6): LD50/rat/oral = 1832mg/kg; LD50/rat/dermal = >5000mg/kg; LC50/rat/inhalation = 1.2mg/l (4H); Carcinogenicity: Not listed by IARC, NTP or OSHA.

12- ECOLOGICAL INFORMATION

Toluene (CAS#108-88-3): Ecotoxicity : No data available; Environmental : From soil, substance evaporates and is microbially biodegraded. In water, substance volatilizes and biodegrades; Physical: Photo-chemically produced hydroxyl radicals degrade substance.

Methyl Ethyl Ketone (CAS#78-93-3): Ecotoxicity: Fish/Fathead Minnow/LC50 = 3220mg/l; Environmental: Substance evaporates in water with T1/2=3D (rivers) to 12D (lakes); Physical : Substance photo-degrades in air with T1/2=2.3 days.

****C.I. Pigment Yellow 34 (CAS#1344-37-2)/ C.I. Pigment Red 104 (CAS#12656-85-8):**

LC50 fishes 1	> 10000 mg/l <i>Leuciscus idus</i> 96h (test method comparable to OECD 203)
EC50 Daphnia 1	> 100 mg/l <i>Daphnia magna</i> 48h (test method comparable to OECD 202) Based on review of lead (Pb): 300 ug/l <i>Daphnia magna</i> (3 weeks) Based on review of hexavalent chromium (Cr(VI)): 2000 ug/l <i>Daphnia magna</i> (3 weeks)
EC50 other aquatic organisms 1	> 10000 mg/l <i>Pseudomonas putida</i> 30m
EC50 other aquatic organisms 2	> 100 ml/l <i>Desmodesmus subspicatus</i> 72h (OECD 201)
LOEC (acute)	Based on review of lead (Pb): 13 ug/l <i>Onchorhynchus mykiss</i> (3 weeks)
NOEC chronic fish	Based on review of hexavalent chromium (Cr(VI)): 1 mg/l <i>Pimephales promelas</i> 412 d
NOEC chronic algae	> 50 mg/l <i>Desmodesmus subspicatus</i> 72h (OECD 201)

LC50 fishes 1: >10000 mg/l *Leuciscus idus* 96h, LC50 other aquatic organisms 1: >100 mg/l *Desmodesmus subspicatus* 72h, EC50 Daphnia 1: >100 mg/l *Daphnia magna* 48h, EC50 other aquatic organisms 1: >10000 mg/l *Pseudomonas putida* 30m, EC50 other aquatic organisms 2: >100 ml/l *Desmodesmus subspicatus* 72h, LOEC (acute): Based on review of lead (Pb): 13 ug/l *Onchorhynchus mykiss* (3 weeks), NOEC chronic fish: Based on review of hexavalent chromium: 1 mg/l *Pimephales promelas* 412d, NOEC chronic algae: >100 mg/l *Desmodesmus subspicatus* 72h.

*****C.I. Pigment Red 104 (CAS#12656-85-8):** LC50 fishes 1: >10000 mg/l *Leuciscus idus* 96h, LC50 other aquatic organisms 1: >100 mg/l *Desmodesmus subspicatus* 72h, EC50 Daphnia 1: >100 mg/l *Daphnia magna* 48h, EC50 other aquatic organisms 1: >10000 mg/l *Pseudomonas putida* 30m, EC50 other aquatic organisms 2: >100 ml/l *Desmodesmus subspicatus* 72h, LOEC (acute): Based on review of lead (Pb): 13 ug/l *Onchorhynchus mykiss* (3 weeks), NOEC chronic fish: Based on review of hexavalent chromium: 1 mg/l *Pimephales promelas* 412d, NOEC chronic algae: >100 mg/l *Desmodesmus subspicatus* 72h.

Titanium Dioxide (CAS#13463-67-7) : Ecotoxicity: Daphnia: Daphnia: LC50 = 32-32.5 mg/L; 30D; ECO Bacteria; ECO = 5 g/L *Pseudomonas fluorescens*: ECO > 10000 mg/L / 24H *Pseudomonas fluorescens*: ECO > 5000 mg/L / 24H Fish: *Phoxinus phoxinus*: LCO >=1000 mg/L / 30DC *Coregonus autumnalis migratorius* G: LCO = 3mg/L / 30DC *Cyprinodon variegatus*: LC50 <370 >240 mg/L/ 96H Opossum shrimp: *Mysidopsis almyra*: LC50 <400 >300 mg/L / 96H **Environmental:** No information available

Physical: No information available. **Other:** No information available

Methyl Isobutyl Ketone (CAS#108-10-1): Ecotoxicity: Not expected to be toxic to terrestrial life; Environmental: substance evaporates and biodegrades when released to soil, water and air.

Epidemiology: No data available. **Teratogenicity:** No data available. **Reproductive Effects:** No data available. **Mutagenicity:** No data available. **Neurotoxicity:** No data available.

Methyl n-Amyl Ketone (CAS#110-43-0): Ecotoxicity: No data available.

Glycol Ether EB (CAS#111-76-2): Ecotoxicity: Not expected to be toxic to aquatic life. Environmental: substance evaporates and biodegrades when released to soil, water and air.

Propylene Oxide (CAS#75-56-9): Ecotoxicity: No adverse ecological effects expected. Environmental: This substance does not contain Class I and II ozone-depleting chemical.

N-Butanol (CAS#71-36-3) : Oxygen Demand Data BOD-5: 1,710 mg/g; BOD-20: 1,890 mg/g; COD (Chemical Oxygen Demand):: 2,460 mg/g.

Acute Aquatic Effects Data: 24 h LC-50 (goldfish): 1000 - 1400 mg/l; 48 h LC-50 (golden orfe): 1770 mg/l ;24 h LC-50 (daphnid): 1855 mg/l

Carbamic acid, butyl-, 3-iodo-2-propynyl ester (CAS# 55406-53-6): Ecotoxicity: Rainbow Trout/LC50/24 hrs >0.12ppm, Bluegill/LC50/24hrs >0.32ppm, was not toxic when ingested by quail or mallard ducks. Environmental: Not determined.

13 – DISPOSAL CONSIDERATIONS

Hazardous wastes should be sent to a RCRA approved incinerator or disposed of in a RCRA approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements

I certify that all chemicals in this shipment comply with all applicable rules or orders under TSCA and that I am not offering a chemical substance for entry in violation of TSCA or any applicable rule or order under TSCA.

14 – TRANSPORT INFORMATION

DOT / ADR / RID Classification:

DOT PROPER SHIPPING NAME: PAINT
PRIMARY HAZARD CLASS/DIVISION: 3
UN/UA NUMBER: UN1263
PACKING GROUP: II

IMDG and ADN Classification:

IMDG PROPER SHIPPING NAME: PAINT
IMDG UN CLASS: 3
IMDG UN NUMBER: 1263
IMDG PACKING GROUP: II
IMDG LABEL: FLAMMABLE LIQUID
IMDG VESSEL STOWAGE: B

Air shipping this product is not advised and if done must be handled by a certified carrier according to IATA rules.

**GHS LABEL:****DANGER**

HIGHLY FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES SERIOUS EYE DAMAGE. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL OR FATAL IF SWALLOWED AND ENTERS AIRWAYS.

Refer to SDS for additional information on safe handling / use. - Keep out of reach of children. For industrial use only.

Contains: Toluene (40-50%), Methyl Isobutyl Ketone (10-20%), Methyl n-Amyl Ketone (10-20%), Methyl Ethyl Ketone (0-10%), Propylene Oxide (0-10%), n-Butanol (0-10%), and Glycol Ether EB (0-10%). This product contains one or more chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.

Hazards: Highly flammable liquid and vapor. Causes serious eye damage. Causes skin irritation. May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure: Inhalation - auditory dysfunction. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects. Suspected of damaging fertility or the unborn child.

Precautionary Statement(s): Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Store in a well-ventilated place. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash (hands and exposed skin) thoroughly after handling.

First Aid: **Inhalation** - Move person to fresh air. If symptoms occur obtain medical attention. **Skin Contact** - Wash affected skin with soap and water. If symptoms occur obtain medical attention. **Eye Contact** - If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Get immediate medical attention. **Ingestion** - Do not induce vomiting. Drink one glass of water. If symptoms occur obtain medical attention.

15 – REGULATORY INFORMATION

Hazards: Highly flammable liquid and vapor. Causes serious eye damage. Causes skin irritation. May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure: Inhalation - auditory dysfunction. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects. Suspected of damaging fertility or the unborn child.

Precautionary Statement(s): Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Store in a well-ventilated place. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash (hands and exposed skin) thoroughly after handling.

CODES:



Xi and XN



F

- Xi=irritant
- XN=harmful
- F=highly flammable

R-Phrases:

R10: Flammable
 R11: Highly Flammable
 R12: Extremely Flammable
 R15: Contact with water liberates extremely flammable gases
 R17: Spontaneously flammable in air
 R20: Harmful by inhalation
 R21: Harmful in contact with skin
 R22: Harmful if swallowed
 R36: Irritating to eyes
 R37: Irritating to respiratory system
 R38: Irritating to skin
 R45: May cause cancer

 R46: May cause heritable genetic damage
 R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 R65: Harmful: may cause lung damage if swallowed
 R66: Repeated exposure may cause skin dryness or cracking
 R67: Vapors may cause drowsiness and dizziness

S-Phrases:

S7/8: Keep container tightly closed and dry
 S9: Keep container in a well-ventilated place
 S16: Keep away from sources of ignition - No smoking
 S23: Do not breathe gas/fumes/vapor/spray
 S24: Avoid contact with skin
 S25: Avoid contact with eyes
 S29: Do not empty into drains
 S33: Take precautionary measures against static discharges
 S36: Wear suitable protective clothing
 S43: In case of fire use ... (indicate in the space the precise type of fire-fighting equipment.) Never use water
 S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)
 S53: Avoid exposure - obtain special instructions before use
 S60: This material and its container must be disposed of as hazardous waste
 S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

16a- REFERENCED COLOR CODES

W-3665 M-9350 B-9163 M-9522 J-9555 X-5680 X-5749

R-4869 F-2406 M-9512 M-9501 F-6285 N-3353 M-9521 E-6428 M-9526 P-8600 C-2065 B-3534

Q-1050 Q-1916 B-4243 J-9545 K-7641 W-9170 X-5260 M-9518 Z-7245 R-8175 Y-9775 R-8174
F-7790 Y-6100 R4870 D-9270

16- DISCLAIMER

Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.