

**1. PRODUCT IDENTIFICATION**

PRODUCT NUMBER: 6050 Ink

PRODUCT COLOR: Black 17038, 27038, 37030, 37038  
 Blue, Blue 15102, 15123, 33392, 35190  
 NL Brown 20059, 30117, 30257, 30279  
 Clear  
 Gold, Gold 17043  
 Gray  
 NL Green, Green 14193, 24190, 34031, 34540  
 Orange 68271, Orange 22510, NL Orange 32246, NL Orange 12300  
 Silver, Violet  
 White 17875, 17925, 27875, 37875, 37925  
 NL Yellow 23655, 33538, 13655 (as of 12/4/17)

RECOMMENDED USE: Coding, marking, stenciling

**Manufactured for:**

Hitt Marking Devices 1-714-979-1405  
 3231 W. MacArthur Blvd.  
 Santa Ana, CA 92704  
 USA

**Emergency Telephone Number:**

TRANSPORTATION: CHEMTREC : 1-800-424-9300 (North America)  
 1-703-527-3887 (International)

**2. HAZARDS IDENTIFICATION****Emergency Overview:****GHS Classification:**

Skin corrosion/irritation	Category 3
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 2

**GHS label elements, including precautionary statements**

Pictogram

Signal Word **Warning****Hazard Statements**

H313	May be harmful in contact with skin
H316	Causes mild skin irritation
H371	May cause damage to organs

**Precautionary Statements**

P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P305 + 351 + 338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P311	IF exposed or concerned: Call a Poison Center or doctor/physician
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P501	Dispose of contents/container to an approved waste disposal plant

<b>3. COMPOSITION AND INFORMATION ON INGREDIENTS</b>
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Chemical Name	CAS No	Weight-%
2-(2-Butoxyethoxy)ethanol	112-34-5	20-30
Medium Aliphatic Naphtha	64742-88-7	0-3

<b>4. FIRST AID MEASURES</b>
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**First Aid Measures**

<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Eyes:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Most important symptoms and effects**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically
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<b>5. FIREFIGHTING MEASURES</b>
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**Suitable extinguishing media:**

Water fog, Multipurpose foam, Dry chemical, CO<sub>2</sub>

**Specific hazards in case of fire:**

Fight as volatile liquid fire

**Hazardous combustion products:**

Carbon oxides, Nitrogen oxides, organic combustion products which may be toxic and/or irritating

**Protective equipment and precautions for fire fighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions:**

Wear chemical goggles, gloves, boots and protective clothing. Wear respirator if necessary. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition and heat.

**Environmental precaution:**

Prevent additional discharge of material. Prevent material from entering sewers or water courses.

**Methods and materials for containment and cleaning up:**

Absorb small spills with sand, filter-aid, vermiculite or other inert absorbent material, then place in a chemical waste container. For large spills, contain with sand or earth dikes. Dispose of waste in accordance with applicable government regulations.

**7. HANDLING AND STORAGE****Precautions for safe handling:**

Avoid contact with eyes. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Unscrew all caps slowly. Do not unscrew entirely until all pressure has been completely released. Keep away from heat/sparks/open flames/hot surfaces. Emptied containers may retain residues. Precautions apply to emptied containers.

**Conditions for safe storage, including incompatibilities:**

Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep storage temperature between 4-32 °C (40-90 °F). Incompatible with strong oxidizing agents, strong acids, strong bases, alkali metals and halogens.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Guidelines:**

Chemical Name and CAS#	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-(2-butoxyethoxy)ethanol 112-34-5	None	None	None
Medium Aliphatic Naphtha 64742-88-7	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup>	IDLH: 20000 mg/m <sup>3</sup> TWA: 350 ppm TWA: 1800 mg/m <sup>3</sup>

**Appropriate engineering controls**

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Apply technical measures to comply with the occupational exposure limits. Local exhaust and mechanical ventilations are recommended to be used as engineering controls.

## Individual protection measures, such as personal protective equipment:

- Eye/Face protection:** Safety glasses with side shields or chemical goggles must be worn.
- Skin/Body protection:** Wear protective gloves. Wear suitable protective clothing and footwear appropriate for the risk of exposure.
- Respiratory protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
- General hygiene:** Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<u>Property</u>	<u>Values</u>	<u>Remarks-Methods</u>
<b>Physical state:</b>	Liquid	
<b>Odor:</b>	Mild	
<b>Odor threshold:</b>	Not determined	
<b>pH:</b>	Not determined	
<b>Melting point/freezing point:</b>	Not determined	
<b>Boiling point/Boiling range:</b>	Not determined	
<b>Flash point:</b>	>116 °C / >240 °F	Tag Closed Cup
<b>Evaporation Rate:</b>	<1	butyl acetate = 1
<b>Flammability (solid, gas):</b>	Not determined	
<b>Upper/lower flammability limits:</b>	Not determined	
<b>Vapor pressure:</b>	Not determined	
<b>Vapor density:</b>	>1	air = 1
<b>Specific gravity:</b>	1.35 – 1.48	water = 1
<b>Water solubility:</b>	Slight	
<b>Solubility in other solvents:</b>	Not determined	
<b>Partition Coefficient:</b>	Not determined	
<b>Auto-ignition Temperature:</b>	Not determined	
<b>Decomposition temperature:</b>	Not determined	
<b>Viscosity:</b>	30,000 – 40,000	
<b>VOC Content (%):</b>	24 – 27%	
<b>VOC Content:</b>	2.7 – 3.3lbs/gal	

## 10. STABILITY AND REACTIVITY

**Reactivity:**  
Not reactive under normal conditions.

**Chemical Stability:**  
Stable under recommended storage conditions.

**Possibility of hazardous reactions:**  
None under normal processing.

**Conditions to avoid:**  
Keep out of reach of children. Keep away from heat, sparks and open flame. Keep away from contact with incompatible materials.

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## Incompatible materials:

Strong oxidizing agents, strong acids, strong bases, alkali metals, halogens

## Hazardous decomposition products:

Carbon oxides, nitrogen oxides, thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Eye contact:</b>	Causes eye irritation
<b>Skin contact:</b>	Causes skin irritation
<b>Inhalation:</b>	May cause respiratory irritation.
<b>Ingestion:</b>	May be harmful if swallowed

### Component Information:

Chemical Name and CAS#	Oral LD50	Dermal LD50	Inhalation LC50
2-(2-butoxyethoxy)ethanol 112-34-5	=2,410 mg/kg ( Mouse )	= 2,764 mg/kg ( Rabbit )	> 2.1 mg/L ( Rat ) 4h
Medium Aliphatic Naphtha 64742-88-7	=5000 mg/kg ( Rat )	=3000 mg/kg ( Rabbit )	=5500 mg/L ( Rat ) 4 h

### Information on physical, chemical and toxicological effects:

**Symptoms** Please see section 4 of this SDS for symptoms

### Delayed and immediate effects as well as chronic effects from short and long-term exposure:

**Carcinogenicity:** No ingredient is listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
None				

### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A1 – Confirmed human carcinogen

A2 – Suspected human carcinogen

A3 - Confirmed animal carcinogen with unknown relevance to humans

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2A – Probably Carcinogenic to Humans

Group 2B – Limited evidence of carcinogenicity

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

### Numerical measures of toxicity:

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

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## Component Information

Chemical Name and CAS#	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-(2-butoxyethoxy)ethanol 112-34-5	LC50 – Desmodesmus suspicatus - >100 mg/l – 24hrs	LC50 – Lepomismacrochirus – 1300 mg/l – 96h	LC50 – Pseudomonas putida – 1170 mg/l – 16hr	EC50 – Daphnia magna - >100 mg/l – 48hr
Medium Aliphatic Naphtha 64742-88-7	No Data	No Data	No Data	No Data

### Persistence/Degradability:

Not determined

### Bioaccumulation:

Not determined

### Mobility:

Not determined

### Other Adverse Effects:

No data available

## 13. DISPOSAL CONSIDERATIONS

### Disposal of Wastes:

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Contaminated Packaging:

Dispose of as unused product in accordance with applicable regional, national and local laws and regulations.

## SECTION 14 – TRANSPORTATION INFORMATION

### DOT

UN number None  
Proper shipping name Not Regulated  
Hazard class None  
Packing group None  
ERG# 129

### IATA

UN number None  
Proper shipping name Not Regulated  
Hazard class None  
Packing group None

### IMDG

UN number None  
Proper shipping name Not Regulated  
Hazard class None  
Packing group None  
Marine pollutant No

**SECTION 15 – REGULATORY INFORMATION**

TSCA STATUS: All Components listed

OTHER REGULATORY:

<u>Ingredient(s)</u>	<u>SARA 302</u>	<u>SARA 311/312</u>	<u>SARA 313</u>	<u>RECRA</u>	<u>CERCLA</u>
2-(2-butoxyethoxy)ethanol	No	A, C	Yes	No	No
Medium Aliphatic Naphtha	No	A, F	No	No	No

SARA 311/312 Codes: R = Reactive Hazard  
P = Pressure Hazard  
F = Fire Hazard  
A = Immediate/Acute  
C = Delayed/Chronic

**California Proposition 65 Components:** Chemicals known to the state of California to cause birth defects or other reproductive harm:

NONE

**SECTION 16 – OTHER INFORMATION**

HMIS:

Health:	2
Chronic Health Hazard	*
Flammability:	1
Reactivity:	0

**Revision Date:** 02-July-2019  
**Replaces:** 19-June-2019  
**Revision Note:** Update colors in Section 1

Prepared by: Thomas S. Sweet Jr, Pres.

**DISCLAIMER OF LIABILITY**

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**1. PRODUCT IDENTIFICATION**

PRODUCT NAME: 6050 Catalyst

PRODUCT COLOR: Black 17038, 27038, 37030, 37038  
 Blue, Blue 15102, 15123, 33392, 35190  
 NL Brown 20059, 30117, 30257, 30279  
 Clear  
 Gold, Gold 17043  
 Gray  
 NL Green, Green 14193, 24190, 34031, 34540  
 Orange 68271, Orange 22510, NL Orange 32246, NL Orange 12300  
 Silver, Violet  
 White 17875, 17925, 27875, 37873, 37925  
 NL Yellow 23655, 33538, 13655 (as of 12/4/17)

RECOMMENDED USE: Coding, marking, stenciling

**Manufacturer/Supplier:**

American Coding & Marking Ink Co., Inc. 1-908-756-0373  
 1220 North Avenue  
 Plainfield, NJ 07062-1796  
 USA

**Emergency Telephone Number:**

TRANSPORTATION: CHEMTREC : 1-800-424-9300 (North America)  
 1-703-527-3887 (International)

**2. HAZARDS IDENTIFICATION****Emergency Overview:****GHS Classification:**

Flammable liquids	Category 2
Aspiration hazard	Category 1
Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation	Category 3
Serious eye damage/eye irritation	Category 1
Skin corrosion/irritation	Category 1B
Skin sensitivity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2
Specific target organ toxicity (single exposure)	Category 3
Reproductive toxicity	Category 2
Chronic aquatic toxicity	Category 3

**GHS label elements, including precautionary statements**





Pictogram

Signal Word **Danger**

## Hazard Statements

H225	Highly flammable liquid and vapor
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H402	Harmful to aquatic life

## Precautionary Statements

P201	Obtain special instructions before use
P202	Do not handle until all safety precaution s have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking
P235	Keep cool
P240	Ground/bond container and receiving equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water
P303+P351+P361	IF ON SKIN (or hair): Rinse continuously with water for several minutes. Remove/Take off immediately all contaminated clothing
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention
P310	Immediately call a POISON CENTER or doctor/physician
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P363	Wash contaminated clothing before reuse
P370 +P378	In case of fire: Use Water spray, CO2, dry chemical, or alcohol resistant foam to extinguish
P403+233	Store in a well-ventilated place. Keep container tightly closed
P501	Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
1-Butanol	71-36-3	15-30
2-(2-Butoxyethoxy)ethanol	112-34-5	5-20
1-methoxy-2-propanol	107-98-2	5-15
Toluene	108-88-3	5-15
Diethylaminetriamine	111-40-0	2-5
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	2-5

### 4. FIRST AID MEASURES

#### First Aid Measures

<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Eyes:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### Most important symptoms and effects

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

#### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically
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### 5. FIREFIGHTING MEASURES

#### Suitable extinguishing media:

Water fog, Multipurpose foam, Dry chemical, CO<sub>2</sub>

#### Specific hazards in case of fire:

Fight as volatile liquid fire

#### Hazardous combustion products:

Carbon oxides, Nitrogen oxides, ammonia

#### Protective equipment and precautions for fire fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Wear chemical goggles, gloves, boots and protective clothing. Wear respirator if necessary. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition and heat.

**Environmental precaution:**

Prevent additional discharge of material. Prevent material from entering sewers or water courses.

**Methods and materials for containment and cleaning up:**

Absorb small spills with sand, filter-aid, vermiculite or other inert absorbent material, then place in a chemical waste container. For large spills, contain with sand or earth dikes. Dispose of waste in accordance with applicable government regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Avoid contact with eyes. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Unscrew all caps slowly. Do not unscrew entirely until all pressure has been completely released. Keep away from heat/sparks/open flames/hot surfaces. Emptied containers may retain residues. Precautions apply to emptied containers.

**Conditions for safe storage, including incompatibilities:**

Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep storage temperature between 4-32 °C (40-90 °F). Incompatible with strong oxidizing agents, strong acids, strong bases, alkali metals and halogens.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Guidelines:**

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Chemical Name and CAS#	ACGIH TLV	OSHA PEL	NIOSH IDLH
1-Butanol CAS 71-36-3	TWA: 20 ppm	TWA: 100 ppm TWA:300 mg/m <sup>3</sup> (skin)	IDLH: 1400 ppm TWA: 50 ppm TWA: 150 mg/m <sup>3</sup> (skin)
2-(2-butoxyethoxy)ethanol 112-34-5	None	None	None
1-methoxy-2-propanol CAS 107-98-2	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 360 mg/m <sup>3</sup> STEL: 150 ppm STEL: 540 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 360 mg/m <sup>3</sup> STEL: 150 ppm STEL: 540 mg/m <sup>3</sup>
Toluene CAS 108-88-3	TWA: 20 ppm	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>
Diethylaminetriamine CAS 111 -40-0	Not Established	Not Established	TWA: 1 ppm TWA: 4 mg/m <sup>3</sup> (skin)
2,4,6-tris(dimethylaminomethyl)phenol CAS 90-72-2	Not Established	Not Established	Not Established

**Appropriate engineering controls**

Apply technical measures to comply with the occupational exposure limits. Local exhaust and mechanical ventilations are recommended to be used as engineering controls.

**Individual protection measures, such as personal protective equipment:**

- Eye/Face protection:** Safety glasses with side shields or chemical goggles must be worn.
- Skin/Body protection:** Wear protective gloves. Wear suitable protective clothing and footwear appropriate for the risk of exposure.
- Respiratory protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
- General hygiene:** Handle in accordance with good industrial hygiene and safety practice.

<b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>
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<u>Property</u>	<u>Values</u>	<u>Remarks-Methods</u>
<b>Physical state:</b>	Liquid	
<b>Odor:</b>	Solvent	
<b>Odor threshold:</b>	Not determined	
<b>pH:</b>	Not determined	
<b>Melting point/freezing point:</b>	Not determined	
<b>Boiling point/Boiling range:</b>	Not determined	
<b>Flash point:</b>	40.6 °C / 105 °F	Tag Closed Cup
<b>Evaporation Rate:</b>	<1	butyl acetate = 1
<b>Flammability (solid, gas):</b>	Not determined	
<b>Upper/lower flammability limits:</b>	Not determined	
<b>Vapor pressure:</b>	Not determined	
<b>Vapor density:</b>	>1	air = 1
<b>Specific gravity:</b>	1.0-1.4	water = 1
<b>Water solubility:</b>	Appreciable (>10%)	
<b>Solubility in other solvents:</b>	Not determined	
<b>Partition Coefficient:</b>	Not determined	

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**Auto-ignition Temperature:** Not determined  
**Decomposition temperature:** Not determined  
**Viscosity:** 15,000-25,000 cps  
**VOC Content (%):** 30-40%  
**VOC Content:** 3.2-3.5 lbs/gal

## 10. STABILITY AND REACTIVITY

**Reactivity:**

No Data.

**Chemical Stability:**

Stable under recommended storage conditions.

**Possibility of hazardous reactions:**

None under normal processing.

**Conditions to avoid:**

Keep out of reach of children. Keep away from heat, sparks and open flame. Keep away from contact with incompatible materials.

**Incompatible materials:**

Strong oxidizing agents, strong acids, strong bases, alkali metals

**Hazardous decomposition products:**

Ammonia, carbon oxides, nitrogen oxides, thermal decomposition can lead to release of irritating and toxic gases and vapors

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Eye contact:** Causes serious eye damage  
**Skin contact:** Corrosive. Can cause chemical burns  
**Inhalation:** Causes respiratory tract irritation. May cause drowsiness, dizziness, headache and nausea.  
**Ingestion:** May be harmful if swallowed

**Component Information:**

Chemical Name and CAS#	Oral LD50	Dermal LD50	Inhalation LC50
1-Butanol CAS 71-36-3	= 790 mg/kg ( Rat )	= 5,6200 mg/kg ( Rabbit )	> 17.9 mg/l ( Rat ) 4 h
2-(2-butoxyethoxy)ethanol 112-34-5	=2,410 mg/kg ( Mouse )	= 2,764 mg/kg ( Rabbit )	> 2.1 mg/L ( Rat ) 4h
1-methoxy-2-propanol CAS 107-98-2	= 4,016 mg/kg ( Rat )	= 13,000 mg/kg ( Rabbit )	> 25,800 mg/ m <sup>3</sup> ( Rat ) 6h
Toluene CAS 108-88-3	= 5,580 mg/kg ( Rat )	> 5,000 mg/kg ( Rabbit )	= 28.1 mg/L ( Rat ) 4 h
Diethylaminietriamine CAS 111-40-0	= 819 – 1430 mg/kg ( Rat )	= 950 – 1240 mg/kg ( Rabbit )	= 1.8 mg/L ( Rat ) 4 h
2,4,6-tris(dimethylaminomethyl)phenol CAS 90-72-2	= 2,169 mg/kg ( Rat )	> 5,000 mg/kg ( estimate )	No data available

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**Information on physical, chemical and toxicological effects:**

**Symptoms** Please see section 4 of this SDS for symptoms

**Delayed and immediate effects as well as chronic effects from short and long-term exposure:**

**Carcinogenicity:** No ingredient is listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
None >= 0.1%				

**Legend**

- ACGIH (American Conference of Governmental Industrial Hygienists)**
- A1 – Confirmed human carcinogen
- A2 – Suspected human carcinogen
- A3 - Confirmed animal carcinogen with unknown relevance to humans
- IARC (International Agency for Research on Cancer)**
- Group 1 - Carcinogenic to Humans
- Group 2A – Probably Carcinogenic to Humans
- Group 2B – Limited evidence of carcinogenicity
- NTP (National Toxicology Program)**
- Known - Known Carcinogen
- OSHA (Occupational Safety and Health Administration of the US Department of Labor)**
- X - Present

**Numerical measures of toxicity:**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

**Component Information**

Chemical Name and CAS#	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
1-Butanol CAS 71-36-3	No data	LC50 - Pimephales promelas – 1,376 mg/L - 96 h	No data	EC50 - Daphnia magna – 1,328 mg/L - 48 h
2-(2-butoxyethoxy)ethanol 112-34-5	LC50 – Desmodesmus suspiciatus - >100 mg/l – 24hrs	LC50 – Lepomis macrochirus – 1300 mg/l – 96h	LC50 – Pseudomonas putida – 1170 mg/l – 16hr	EC50 – Daphnia magna - >100 mg/l – 48hr
1-methoxy-2-propanol CAS 107-98-2	No Data	LC50 - Pimephales promelas – 20,800 mg/L – 96h	No Data	EC50 - Daphnia magna – 23,300 mg/L – 48h
Toluene CAS 108-88-3	NOEC – Skeletonema costatum – 10 mg/L – 72h	LC50 – Oncorhynchus mykiss – 7.63 mg/L – 96h	No Data	EC50 – Ceriodaphnia dubia – 3.78 mg/L – 48h
Diethylaminoethylamine CAS 111-40-0	EC50 – Scenedesmus subspicatus – 592 mg/L – 96h	LC50 – Leuciscus idus – 430 mg/L – 96h	No Data	EC50 – Daphnia magna – 17 mg/L – 48h
2,4,6- tris(dimethylaminomethyl)phenol CAS 90-72-2	ErC50 – Desmodesmus subspicatus – 84 mg/L – 72h	LC50 – Cyprinus carpio – 175 mg/L – 96h	Do Data	LC50 – daphnia – 84 mg/L – 96h

**Persistence/Degradability:**

Not determined

**Bioaccumulation:**

Not determined

**Mobility:**

Not determined

**Other Adverse Effects:**

No data available

**13. DISPOSAL CONSIDERATIONS**

**Disposal of Wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:** Dispose of as unused product in accordance with applicable regional, national and local laws and regulations.

**SECTION 14 – TRANSPORTATION INFORMATION****DOT**

**UN number** 1210  
**Proper shipping name** Printing Ink  
**Hazard class** 3  
**Packing group** III  
**ERG#** 129

**IATA**

**UN number** 1210  
**Proper shipping name** Printing Ink  
**Hazard class** 3  
**Packing group** III

**IMDG**

**UN number** 1210  
**Proper shipping name** Printing Ink  
**Hazard class** 3  
**Packing group** III  
**Marine pollutant** No

**SECTION 15 – REGULATORY INFORMATION**

**TSCA STATUS:** All Components listed

**OTHER REGULATORY:**

<u>Ingredient(s)</u>	<u>SARA 302</u>	<u>SARA 311/312</u>	<u>SARA 313</u>	<u>RECRA</u>	<u>CERCLA</u>
1-Butanol	No	F, A, C	Yes	U031	No
2-(2-butoxyethoxy)ethanol	No	A, C	Yes	No	No
1-methoxy-2-propanol	No	F, A	No	No	No
Toluene	No	F, A, C	Yes	U220	Yes
Diethylaminetriamine	No	F, A	No	No	No
2,4,6-tris(dimethylaminomethyl)phenol	No	A	No	No	No

SARA 311/312 Codes: R = Reactive Hazard  
P = Pressure Hazard  
F = Fire Hazard  
A = Immediate/Acute  
C = Delayed/Chronic

**California Proposition 65 Components:**

Chemicals known to the state of California to cause birth defects or other reproductive harm:

Toluene CAS 108-88-3

Chemicals known to the state of California to cause cancer:

Formaldehyde CAS 50-00-0

**SECTION 16 – OTHER INFORMATION****HMIS:**

Health:	3
Chronic Health Hazard	*
Flammability:	3
Reactivity:	1

**Revision Date:** 02-July-2019

**Replaces:** 19-June-2019

**Revision Note:** Update colors in Section 1

**Prepared by:** Thomas Sweet Jr, Pres

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