## SAFETY DATA SHEET

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issue Date 18-Nov-2015 Revision Date 18-Nov-2015 Version 1

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Name IJ3800 - Black

Contains Butoxyethyl acetate, y-Butyrolactone

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Digital Printing

Uses advised against

### 1.3. Details of the supplier of the safety data sheet

Reseller Signs International Distributor Corp 8461 NW 61st St | Miami, FL 33166

For further information, please contact

Contact Point Regulatory Department

1.4. Emergency telephone number

Emergency Telephone During normal opening times: +27 21 763 6990

24 Hours: +27 83 326 0774

### Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

regulation (EO) No 1272/2000	
Acute toxicity - Inhalation (Vapors)	Category 4 - (H332)
Serious eye damage/eye irritation	Category 1 - (H318)

### Classification according to Directive 67/548/EEC or 1999/45/EC

Full text of R-phrases: see section 16

### **Hazard symbols**

Xn - Harmful

### R-code(s)

Xn;R20/21 - Xi;R36

### 2.2. Label elements

#### **Product identifier**

Contains Butoxyethyl acetate, y-Butyrolactone



Signal word Danger

IJ3800 - Black

#### **Hazard statements**

H318 - Causes serious eye damage

H332 - Harmful if inhaled

EUH210 - Safety data sheet available on request

### Precautionary Statements - EU (§28, 1272/2008)

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P271 - Use only outdoors or in a well-ventilated area

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

### 2.3. Other hazards

No information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Chemical Name	EC No	CAS No	Weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Butoxyethyl acetate	203-933-3	112-07-2	<80	Xn; R20/21	Acute Tox. 4 (H312) Acute Tox. 4 (H332)	No data available
Alcohol Derivative Solvent	Listed	-	<10	Xi; R36	Eye Irrit. 2 (H319)	No data available
γ-Butyrolactone	202-509-5	96-48-0	<5	Xn;R22 Xi; R41 R67	Acute Tox. 4 (H302) Eye Dam. 1 (H318) STOT SE 3 (H336)	No data available
Black Pigment	Listed	-	<10	=	No data available	No data available
Propylene glycol monomethyl ether acetate	203-603-9	108-65-6	<10	R10	Flam. Liq. 3 (H226)	No data available

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

### **Section 4: FIRST AID MEASURES**

### 4.1. Description of first aid measures

General advice If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do

not get in eyes, on skin, or on clothing.

**Inhalation** Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer

artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Immediate medical attention is not required. Move to fresh air in case of

accidental inhalation of vapors. If symptoms persist, call a physician.

**Skin contact**Consult a physician if necessary. Wash off immediately with soap and plenty of water while

removing all contaminated clothes and shoes. Immediate medical attention is not required.

If skin irritation persists, call a physician.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

IJ3800 - Black Revision Date 18-Nov-2015

continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting

lower and upper eyelids. Consult a physician.

Ingestion Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce

vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything

by mouth to an unconscious person. Call a physician.

**Self-protection of the first aider**Use personal protective equipment as required.

4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

4.3. Indication of any immediate medical attention and special treatment needed

**Note to physicians**Treat symptomatically.

### **Section 5: FIRE FIGHTING MEASURES**

#### 5.1. Extinguishing media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable extinguishing media

No information available

#### 5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

### Section 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

### **Personal precautions**

Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

#### For emergency responders

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

#### 6.3. Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover

powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to

properly labeled containers. Soak up with inert absorbent material. Dam up.

### 6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

### **Section 7: HANDLING AND STORAGE**

### 7.1. Precautions for safe handling

### Advice on safe handling

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation.

### **General Hygiene Considerations**

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

#### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers.

#### Incompatible materials

None known based on information supplied.

#### 7.3. Specific end use(s)

### **Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Butoxyethyl acetate 112-07-2	TWA 20 ppm TWA 133 mg/m³ STEL 50 ppm STEL 333 mg/m³ *	TWA: 20 ppm TWA: 133 mg/m³ STEL: 50 ppm STEL: 332 mg/m³ Sk*	TWA: 10 ppm TWA: 66.5 mg/m³ STEL: 50 ppm STEL: 333 mg/m³ *	TWA: 20 ppm TWA: 133 mg/m³ STEL: 50 ppm STEL: 333 mg/m³ vía dérmica*	TWA: 20 ppm TWA: 130 mg/m³ H*
Alcohol Derivative Solvent	-	TWA: 50 ppm TWA: 241 mg/m³ STEL: 75 ppm STEL: 362 mg/m³	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 241 mg/m³	TWA: 20 ppm TWA: 96 mg/m³ H*
Black Pigment	-	TWA: 3.5 mg/m³ STEL: 7 mg/m³	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>	-
Propylene glycol monomethyl ether acetate 108-65-6	TWA 50 ppm TWA 275 mg/m³ STEL 100 ppm STEL 550 mg/m³ *	TWA: 50 ppm TWA: 274 mg/m³ STEL: 100 ppm STEL: 548 mg/m³ Sk*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ *	TWA: 50 ppm TWA: 275 mg/m <sup>3</sup> STEL: 100 ppm STEL: 550 mg/m <sup>3</sup> vía dérmica*	TWA: 50 ppm TWA: 270 mg/m³
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Butoxyethyl acetate 112-07-2	TWA: 20 ppm TWA: 133 mg/m³ STEL: 50 ppm STEL: 333 mg/m³ pelle*	TWA: 20 ppm TWA: 133 mg/m³ STEL: 50 ppm STEL: 333 mg/m³ P*	TWA: 135 mg/m³ STEL: 333 mg/m³ H*	TWA: 20 ppm TWA: 130 mg/m³ STEL: 50 ppm STEL: 330 mg/m³ iho*	TWA: 20 ppm TWA: 134 mg/m³ H*
Alcohol Derivative Solvent	-	TWA: 50 ppm	-	TWA: 50 ppm TWA: 240 mg/m³ STEL: 75 ppm STEL: 360 mg/m³	TWA: 50 ppm TWA: 240 mg/m³
γ-Butyrolactone 96-48-0	-	-	-	TWA: 50 ppm TWA: 14 mg/m³ STEL: 250 ppm STEL: 70 mg/m³	-

				iho*	
Black Pigment	-	TWA: 3.5 mg/m <sup>3</sup>	-	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ pelle*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ P*	TWA: 550 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 270 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ iho*	TWA: 50 ppm TWA: 275 mg/m³ H*
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Butoxyethyl acetate 112-07-2  Alcohol Derivative Solvent	TWA: 20 ppm TWA: 133 mg/m³ STEL 40 ppm STEL 270 mg/m³ H* TWA: 50 ppm TWA: 240 mg/m³	TWA: 10 ppm TWA: 66 mg/m³ STEL: 20 ppm STEL: 132 mg/m³ H* TWA: 20 ppm TWA: 96 mg/m³ STEL: 40 ppm	STEL: 300 mg/m³ TWA: 100 mg/m³ TWA: 240 mg/m³	TWA: 10 ppm TWA: 65 mg/m³ STEL: 20 ppm STEL: 97.5 mg/m³ H* TWA: 25 ppm TWA: 120 mg/m³ STEL: 37.5 ppm	TWA: 20 ppm TWA: 133 mg/m³ STEL: 50 ppm STEL: 333 mg/m³ Sk* TWA: 50 ppm TWA: 240 mg/m³ STEL: 75 ppm
		STEL: 192 mg/m³ H*		STEL: 150 mg/m <sup>3</sup>	STEL: 360 mg/m <sup>3</sup>
Black Pigment	-	-	TWA: 4.0 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	TWA: 3.5 mg/m³ STEL: 7 mg/m³
Propylene glycol monomethyl ether acetate 108-65-6	TWA: 50 ppm TWA: 275 mg/m³ STEL 100 ppm STEL 550 mg/m³ H*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 50 ppm STEL: 275 mg/m³	STEL: 520 mg/m³ TWA: 260 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ STEL: 75 ppm STEL: 337.5 mg/m³ H*	TWA: 50 ppm TWA: 275 mg/m³ STEL: 100 ppm STEL: 550 mg/m³ Sk*

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Butoxyethyl acetate 112-07-2	-	-	-	-	100 mg/L 200 ma/L
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Butoxyethyl acetate	Austria	100	i diana	Notway	II CIAIIU
112-07-2	-	200	-	-	-
<b>Derived No Effect Level</b>	(DNEL) No infor	mation available.			

**Derived No Effect Level (DNEL)** 

**Predicted No Effect Concentration** 

No information available.

(PNEC)

8.2. Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tight sealing safety goggles. Face protection shield.

Skin and body protection Suitable protective clothing. Apron. Gloves made of plastic or rubber.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state liquid Liquid Characteristic **Appearance** Odor

**Odor threshold** Color No information available black

**Property** <u>Values</u> Remarks • Method No information available

Melting point / freezing point No information available

146 °C / 295 °F Boiling point / boiling range 78 °C / 172 °F Flash point

**Evaporation rate** No information available Flammability (solid, gas) No information available Flammability Limit in Air

No information available **Upper flammability limit:** 

No information available

#### IJ3800 - Black

Lower flammability limit: No information available Vapor pressure No information available Vapor density No information available Relative density No information available Water solubility No information available Solubility(ies) No information available **Partition coefficient** No information available **Autoignition temperature** No information available **Decomposition temperature** No information available Kinematic viscosity No information available

Dynamic viscosity

Explosive properties

Oxidizing properties

No information available

No information available

9.2. Other information

Softening point
Molecular weight
VOC Content (%)
Density
Bulk density
No information available

### Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

#### 10.3. Possibility of hazardous reactions

### **Possibility of Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

None under normal use conditions.

### **Section 11: TOXICOLOGICAL INFORMATION**

### 11.1. Information on toxicological effects

### **Acute toxicity**

### **Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation No data available.

Eye contact No data available.

IJ3800 - Black

No data available. Skin contact No data available. Ingestion

The following values are calculated based on chapter 3.1 of the GHS document

15,041.00 mg/kg ATEmix (oral)

ATEmix (dermal) 2,065.00 mg/kg ppm mg/l

ATEmix (inhalation-vapor) 11.19 mg/l

Unknown acute toxicity

29.63999 % of the mixture consists of ingredient(s) of unknown toxicity.

7.7367 % of the mixture consists of ingredient(s) of unknown acute oral toxicity. 7.7367 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

24.63999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas). 29.63999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

24.63669 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Butoxyethyl acetate	= 2400mg/kg ( Rat )	= 1500 mg/kg ( Rabbit )	
Alcohol Derivative Solvent	= 4 g/kg (Rat)	= 13500 mg/kg ( Rabbit )	
γ-Butyrolactone	= 1540 mg/kg (Rat)		> 5100 mg/m³ (Rat) 4 h
Propylene glycol monomethyl ether acetate	= 8532 mg/kg ( Rat )	> 5 g/kg(Rabbit)	
Toluene	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h

No information available. Skin corrosion/irritation

Serious eye damage/eye irritation No information available.

No information available. Sensitization

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

No information available. Reproductive toxicity

STOT - single exposure No information available.

STOT - repeated exposure No information available.

**Target Organ Effects** blood, Central nervous system, Eyes, Hematopoietic System, kidney, liver, Lymphatic

System, Respiratory system, Skin.

**Aspiration hazard** No information available.

### **Section 12: ECOLOGICAL INFORMATION**

### 12.1. Toxicity

11.0367 % of the mixture consists of component(s) of unknown hazards to the aquatic environment Unknown aquatic toxicity 11.0367 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Alcohol Derivative Solvent	-	420: 96 h Lepomis macrochirus mg/L LC50 static 420: 96 h Lepomis macrochirus mg/L LC50	8750: 24 h Daphnia magna mg/L EC50
γ-Butyrolactone	360: 72 h Desmodesmus subspicatus mg/L EC50	-	500: 48 h Daphnia magna Straus mg/L EC50
Black Pigment	10000 mg/l / 3 d scenedesmus subspicatus	1000 mg/l / 96 h Brachydanio rerio)	5600: 24 h Daphnia magna mg/L EC50

Propylene glycol monomethyl ether	-	-	500: 48 h Daphnia magna mg/L
acetate			EC50

### 12.2. Persistence and degradability

No information available.

#### 12.3. Bioaccumulative potential

No information available.

Chemical Name	Partition coefficient
Butoxyethyl acetate	1.51
Alcohol Derivative Solvent	1.03
γ-Butyrolactone	-0.566
Propylene glycol monomethyl ether acetate	0.43

### 12.4. Mobility in soil

#### Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

### **Section 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

Waste from residues/unused

products

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

regulations.

Contaminated packaging

Improper disposal or reuse of this container may be dangerous and illegal.

**Other Information** 

Waste codes should be assigned by the user based on the application for which the product

was used.

### Section 14: TRANSPORT INFORMATION

<u>IMDG</u>

14.1 UN/ID noNot regulated14.2 Proper Shipping NameNot regulated14.3 Hazard ClassNot regulated14.4 Packing GroupNot regulated14.5 Marine pollutantNot applicable

14.6 Special Provisions None

14.7 Transport in bulk according to No information available

Annex II of MARPOL 73/78 and the

**IBC Code** 

RID

14.1UN/ID noNot regulated14.2Proper Shipping NameNot regulated

14.3	Hazard Class	Not regulated
14.4	Packing Group	Not regulated
14.5	<b>Environmental hazard</b>	Not applicable
440	O	NI ' '

14.6 Special Provisions None

ADR

14.1	UN/ID no	Not regulated
14.2	Proper Shipping Name	Not regulated
14.3	Hazard Class	Not regulated
14.4	Packing Group	Not regulated
14.5	Environmental hazard	Not applicable

14.6 Special Provisions None

**IATA** 

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
440.0	NI

14.6 Special Provisions None

### **Section 15: REGULATORY INFORMATION**

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Name	French RG number	Title
Butoxyethyl acetate 112-07-2	RG 84	-
Alcohol Derivative Solvent	RG 84	-
γ-Butyrolactone 96-48-0	RG 84	-
Black Pigment	RG 16,RG 16bis	-
Propylene glycol monomethyl ether acetate 108-65-6	RG 84	-

### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

### Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

### **Persistent Organic Pollutants**

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

### **International Inventories**

All of the components in the product are on the following Inventory lists No information available.

### 15.2. Chemical safety assessment

No information available

### **Section 16: OTHER INFORMATION**

### Key or legend to abbreviations and acronyms used in the safety data sheet

### Full text of R-phrases referred to under sections 2 and 3

R36 - Irritating to eyes

R67 - Vapors may cause drowsiness and dizziness

R41 - Risk of serious damage to eyes

R22 - Harmful if swallowed

R20/21 - Harmful by inhalation and in contact with skin

### Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapor

H312 - Harmful in contact with skin

H332 - Harmful if inhaled

H319 - Causes serious eye irritation

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H336 - May cause drowsiness or dizziness

### Legend

SVHC: Substances of Very High Concern for Authorization:

### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

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Revision Note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**End of Safety Data Sheet**