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MATERIAL SAFETY DATA SHEET

This MSDS Supersedes previous revisions and is current from 1st July 2014

Hazardous According to the Criteria of Worksafe-Australia

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SECTION 1 IDENTIFICATION OF MATERIALS AND SUPPLIER

Product Codes: IR-803-01, IC-803-01, IC-803-05
Product Name: 803 BLACK PRINTING INK
Use: Product is used as printing ink
Supplier: National Coding Technologies Pty Ltd
Address: Unit 5c/46 Mileham Street Windsor
N.S.W. 2756
Telephone: (02) 4577 3500
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SECTION 2 HAZARD IDENTIFICATIONS

Hazard Classification

This product is classified as hazardous according to Australian Safety and Compensation Council criteria.

Hazard Category

F: Flammable; Xi: Irritant

Risk Phrases

R 11: Highly Flammable
R 36: Irritating to eyes
R 66: Repeated exposure may cause skin dryness or cracking
R 67: Vapors may cause drowsiness or dizziness

Safety Phrases

S 2: Keep out of the reach of children
S 9: Keep container in a well-ventilated place
S 16: keep away from sources of ignition

Dangerous Goods Classification 3

Poisons Schedule 5

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Composition : Resin / Pigment / Solvent blend

Information on hazardous ingredients *

Chemical Name	CAS No.	%	RPhrases	
NAME	CAS No.	EINECS Nr.	CLASSIFICATION	CONTENT (Mass)
Acetone	67-64-1	200-662-2	F :R11,Xi, R36, R66, R67	40-55%
Ethanol	64-17-5	200-578-6	F R-11	20-30%
Isopropanol	67-63-0	200-661-7	F R11, Xi R36, R37	1-10%
2-Methoxy-1-methylethyl acetate	108-65-6	203-603-9	R10, Xi, R36	<10%
Methanol	67-56-1	200-659-6	F-R11, T ;R23/34/35-39, 23/24/25	1-10%
Solvent black dye	117527-94-3	403-720-7	R11	<7%

SECTION 4 FIRST AID MEASURES

GENERAL: Note! Keep affected person away from heat, sparks and flames. Keep the affected person warm and at rest. Get prompt medical attention.

INHALATION: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm at rest. Get prompt medical attention.

INGESTION: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. Do not induce vomiting. If vomiting occur, the

head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention.

SKIN: Remove affected person from the source of contamination. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYES Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use Alcohol resistant foam. Powder, Dry chemicals, sand, dolomite etc

SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities. Use water to keep fire exposed containers cool and disperse vapors. Move container from fire area if it can be done without risk.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Vapors are heavier than air and may spread near ground to source of ignition. May explode when heated or when exposed to flames or sparks. May form explosive or toxic mixtures with air.

HAZARDOUS COMBUSTION PRODUCTS:

Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 6 ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS:

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Runoff or release to sewer, waterway or ground is forbidden.

Smaller spill:

Collect with absorbent, non-combustible material into suitable containers.

Larger spill:

Absorb in vermiculite, dry sand or earth and place into containers. Inform Authorities if large amounts are involved.

SECTION 7 HANDLING AND STORAGE:

USAGE PRECAUTIONS:

Keep away from heat, sparks and open flame. Avoid spilling skin and eye contact . Ventilate well, avoid breathing vapors. Use approved respirator if any air contamination is above accepted level. Risk of vapor concentration on the floor and in low lying areas. Static electricity and formation of sparks must be prevented.

STORAGE PRECAUTIONS:

Flammable/combustible- Keep away from oxidizers, heat and flames. Keep in cool, dry, ventilated storage and closed containers. Keep in original containers.

STORAGE CRITERIA:

Flammable liquid storage.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME: Substance	CAS No:	STD: 8 hour	LT EXP.8 HRS:	ST EXP. 15 MIN: Other information
Acetone		8 hr	500 ppm	WEL
Ethanol		8 hr	1000 ppm	WEL
Isopropanol		8 hr	400 ppm	WEL
2-Methoxy-1-methyl		8 hr	50 ppm	WEL

INGREDIENT COMMENTS:

OES = Occupational Standard.

PROTECTIVE EQUIPMENT :

Eye protection (splash proof eye goggles)
Use protective gloves made of rubber (natural, latex)

OTHER PROTECTION:

Wear appropriate clothing to prevent and possibility of skin contact.

HYGENIC WORK PRACTICES:

DO NOT SMOKE IN WORK AREA!

Promptly remove any clothing that becomes wet or contaminated. Wash promptly if skin becomes wet or contaminated. Use appropriate hand lotion to prevent cracking of skin.

No eating or drinking while working with this material. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Liquid
COLOUR:	Black
ODOUR:	Mild Ketone
SOLUBILITY in Water:	Miscible with water
BOILING POINT (°C):	78°C
SPECIFIC GRAVITY (g/ml@15 °C):	0.79
VAPOR DENSITY (air=1):	2@ 15 deg C
VOLATILE BY VOL. (%):	76
pH VALUE:	N/A
FREEZING/MELTING Point:	-95°C
FLASH POINT(°C):	-12°C

SECTION 10 STABILITY AND REACTIVITY:

STABILITY: This product is stable at room temperature and pressure.

CONDITIONS TO AVOID:

Avoid contact with strong oxidizers

HAZARDOUS DECOMP. PRODUCTS:

Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide(CO). Carbon dioxide (CO2).

SECTION 11 TOXICOLOGICAL INFORMATION:**HEALTH WARNINGS**

EYE CONTACT. Irritant of eyes and mucous membranes

INGESTION. Narcotic effect

INHALATION. CNS depressant. Prolonged inhalation of high

concentrations may damage respiratory system.

SKIN CONTACT. Acts as a defatting agent on skin. May cause cracking of The skin and eczema.

ROUTE OF ENTRY

Ingestion. Skin absorption. Inhalation

MEDICAL SYMPTOMS:

NERVOUS SYSTEM. Drowsiness, dizziness, disorientation, vertigo.

Mild intoxication(incl. fatigue, lassitude, irritability, headache, nausea).

SECTION 12 ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Little danger to the environment

DEGRADABILITY:

Will degrade

ACUTE FISH TOXICITY:

May be harmful to aquatic organisms in large quantities

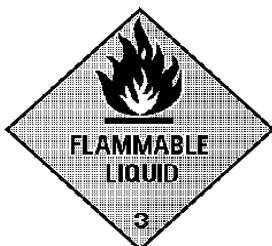
SECTION 13 DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:

Contact specialist disposal companies. Do not allow run-off to sewer, waterway or ground. Empty containers must not be burned because of explosion hazard. Absorb in vermiculite or dry sand, dispose in licensed special waste. Dispose of in accordance with Local Authority requirement

SECTION 14 TRANSPORT INFORMATION

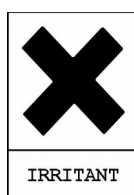
LABEL FOR CONVEYANCE:



Road and Rail Transport		Marine Transport		Air Transport	
UN No.	1090	UN No.	1090	UN No.	1090
Proper Shipping Name	Printing INK	Proper Shipping Name	Printing INK	Proper Shipping Name	Printing INK
DG Class	3	DG Class	3	DG Class	3
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	II	Packing Group	II	Packing Group	II
Hazchem	2(Y)E	Hazchem	2(Y)E	Hazchem	2(Y)E

SECTION 15 REGULATORY INFORMATION

LABEL FOR SUPPLY:



RISK PHRASES:

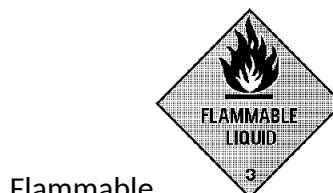
- R-11 Highly Flammable.
- R-36 Irritating to eyes.
- R-66 Repeated exposure may cause skin dryness or cracking.
- R-67 Vapors may cause drowsiness and dizziness.

SAFETY PHRASES

- S-16 Keep away from sources of ignition- No Smoking.
- S-33 Take precautionary measures against static discharges.
- S-7/9 Keep container tightly closed and in a well ventilated place.
- S-24/25 Avoid contact with skin and eyes.
- S-60 This material and its container must be disposed of as

Hazardous waste.

HASARD CATEGORY



STATUTORY INSTRUMENTS:

Chemicals (hazard information & packaging) Regulations.
Control of Substances hazardous to health.

APPROVED CODE OF PRACTISE:

Safety data sheets for Substances & Preparations.
Classifications & Labelling of Substances & Preparations.
Chemical Industries Association-Guidance on the compilation of
safety data sheets.

GUIDANCE NOTES:

Occupational Exposure Limits EH40

SECTION 16

OTHER INFORMATION

R-PHRASES (FULL TEXT)

R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-11 Highly flammable.
R-23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R-39/23/24/25/ Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapors may cause drowsiness & dizziness.
R-36 Irritating to eyes.

DISCLAIMER

National Coding Technologies Pty Ltd has taken great care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside our control. No warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the users responsibility to satisfy themselves as to the suitability of such information for their own particular use.

CUSTOMER SERVICE

National coding Technologies Pty Ltd

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EMERGENCY ADVICE

Poisons information Centre: Telephone 13 11 26

