



National Coding Technologies Pty Ltd  
Unit 5c/46 Mileham Street  
Windsor NSW 2756  
PO.Box 5754 South Windsor  
T: (02)4577 3500  
F: (02) 45773506  
ABN: 13 115 315 841

# MATERIAL SAFETY DATA SHEET

This MSDS Supersedes previous revisions and is current from 1<sup>st</sup> January 2018

## Hazardous According to the Criteria of Worksafe-Australia

### SECTION 1 IDENTIFICATION OF MATERIALS AND SUPPLIER

**Product Codes:** MU -236-01, MU-236-05, MU-236-20

**Product Name:** 236 Make-up

**Use:** Product is used as a solvent

**Supplier:** National Coding Technologies Pty Ltd

**Address:** Unit 5c/46 Mileham Street Windsor  
N.S.W. 2756

**Telephone:** (02) 4577 3500

**Fax:** (02) 4577 3506

**All other inquiries:** (07) 3201 2640

### 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**

<b>Ingredient Name:</b>	<b>CAS No:</b>	<b>Content:</b>	<b>Health</b>	<b>Risk:</b>
BUTANONE	78-93-3	60-100%	Xi	36,66,67
ETHANOL	64-17-5	5-10%		
METHANOL	67-56-1	0-1%	T	23/24/25, 39/23/24/25
ISOPROPYL	108-21-4	5-10%	Xi	36,66,67
PROPAN-2-OL	67-63-0	1-5%	Xi	36,67

### **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. 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 (CO<sub>2</sub>).

## **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 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:**

<b>INGREDIENT NAME:</b>	<b>CAS No:</b>	<b>STD:</b>	<b>LT EXP.8 HRS:</b>	<b>ST EXP. 15 MIN:</b>
BUTANONE	78-93-3	OES.	200 ppm(sk)	300 ppm(Sk)
ETHANOL	64-17-5	OES	1000 ppm	No std
METHANOL	67-56-1	OES	200 ppm(sk)	250 ppm(sk)
ISOPROPYL ACETATE	108-21-4	OES	No std	200 ppm
PROPAN-2-OL	67-63-0	OES.	400 ppm	500ppm

**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 defatting and cracking of skin.  
No eating or drinking while working with this material. Wash 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/TASTE:	Ketonic
SOLUBILITY DESCRIPTION	Slightly soluble in water. Soluble in organic solvents (most)
BOILING POINT (°C)	~ 75-85 pressure:760mmHg
DENSITY/SPECIFIC GRAVITY (g/ml)	0.80 Temperature (°c): 20°c
VAPOR DENSITY (air=1):	>1
VOLATILE BY VOL. (%)	90
Ph-VALUE, CONC. SOLUTION:	7.0
VISCOSITY:	1.0cps Temperature (°c): 20
FLASH POINT( °C)	-3.5 Method: CC (closed cup).

## 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 (CO<sub>2</sub>).

## 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 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:**

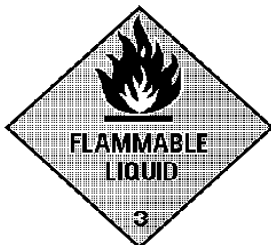
Will degrade

**ACUTE FISH TOXICITY:**

May be harmful to aquatic organisms in large quantities

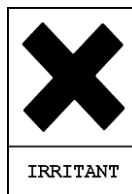
**SECTION 13** **DISPOSAL CONSIDERATIONS:****DISPOSAL METHODS:**

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.	1193	UN No.	1193	UN No.	1193
Proper Shipping Name	Make-up Solvent	Proper Shipping Name	Make-up Solvent	Proper Shipping Name	Make-up Solvent
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

## 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.

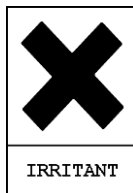
S-33 Take precautionary measures against static discharges.

S-7/9 Keep container tightly closed and in a well ventilated place.

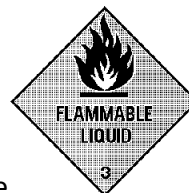
S-24/25 Avoid contact with skin and eyes.

S-60 This material and its container must be disposed of as Hazardous waste.

## HASARD CATEGORY



Irritant



Flammable

## STATUTORY INSTRUMENTS:

Chemicals (hazard information & packaging) Regulations.

Control of Substances hazardous to health.

## APPROVED CODE OF PRACTISE:

Safety data sheets for Substances & Preparations.

Classifications & Labeling of Substances & Preparations.

Chemical Industries Association-Guidance on the compilation of safety data sheets.

## GUIDANCE NOTES:

Occupational Exposure Limits EH40

**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.

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**CUSTOMER SERVICE** National coding Technologies Pty Ltd Ph: (02) 4577 3500

**EMERGENCY ADVICE** **Poisons information Centre: Telephone 13 11 26**