



## MATERIAL SAFETY DATA SHEET WL-210 WASH

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

PRODUCT NAME	WL-210 WASH
PRODUCT NO.	WL-210
APPLICATION	Printing Ink related material
SUPPLIER	Insignia Pty Ltd 56 Ingleston Road Wakerley QLD 4154 Australia Ph: +61 (07) 3364 2100 Fax: +61 (07) 3364 2111 Email: msds@domino-uk.com
EMERGENCY TELEPHONE	+44(0)1954 782551 (24 Hours)
PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (BUTANONE, ISOBUTYL METHYL KETONE)

### 2 HAZARDS IDENTIFICATION

#### RISK PHRASES

R11	Highly flammable
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

#### SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.

#### DG CLASS

Class 3: Flammable liquids.

PACKING GROUP II

UN NO. 1993

HAZCHEM CODE •3YE

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548)
BUTANONE	201-159-0	78-93-3	90-100%	F;R11 Xi;R36 R66 R67
ISOBUTYL METHYL KETONE	203-550-1	108-10-1	1-5%	F;R11 Xn;R20 Xi;R36/37 R66

The Full Text for all R-Phrases is Displayed in Section 16

#### COMPOSITION COMMENTS

The product contains organic solvents.

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

NOTE! Keep affected person away from heat, sparks and flames!

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### NOTES TO THE PHYSICIAN

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

#### INHALATION

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

#### INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! DO NOT INDUCE VOMITING! Get medical attention immediately!

#### SKIN CONTACT

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

#### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Immediately transport to hospital or eye specialist.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. 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 vapours. Move container from fire area if it can be done without risk.

### UNUSUAL FIRE & EXPLOSION HAZARDS

Take precautionary measures against static discharges.

### SPECIFIC HAZARDS

Fire creates: Toxic gases/vapours/fumes of Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

HAZCHEM CODE •3YE

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

### ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

### SPILL CLEAN UP 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. Small Spillages: Collect with absorbent, non-combustible material into suitable containers. Large Spillages: Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point. Inform Authorities if large amounts are involved.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Risk of vapour 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 oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

### STORAGE CLASS

Flammable liquid storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANONE		150	445	300	890	
ISOBUTYL METHYL KETONE	NOHSC	50 ppm	205 mg/m <sup>3</sup>	75 ppm	307 mg/m <sup>3</sup>	

NOHSC = The National Occupational Health and Safety Commission.

### PROTECTIVE EQUIPMENT

## WL-210 WASH



### PROCESS CONDITIONS

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

### ENGINEERING MEASURES

Well-ventilated area.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

### HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

### EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

### HYGIENE MEASURES

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. When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Clear
ODOUR	Ketonic.
SOLUBILITY	Slightly soluble in water. Soluble in: Organic solvents.
BOILING POINT (°C)	~75-85°C @ 760 mm Hg
MELTING POINT (°C)	-86.5°C
RELATIVE DENSITY	0.80 @ 20°C
VAPOUR DENSITY (air=1)	2.4
VAPOUR PRESSURE	8.9 kPa @20°C
VISCOSITY	1.00 cps @ 20°C
FLASH POINT (°C)	-4°C CC (Closed cup).
FLAMMABILITY LIMIT - LOWER(%)	1.8
FLAMMABILITY LIMIT - UPPER(%)	11.5

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid contact with strong oxidisers.

### MATERIALS TO AVOID

Strong oxidising substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

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

## 11 TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION

No information available.

### INHALATION

Vapours may cause headache, fatigue, dizziness and nausea.

### INGESTION

May cause nausea, headache, dizziness and intoxication.

### SKIN CONTACT

Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

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### EYE CONTACT

Irritating to eyes.

### ROUTE OF ENTRY

Ingestion. Skin absorption. Inhalation:

### MEDICAL SYMPTOMS

NERVOUS SYSTEM. Drowsiness, dizziness, disorientation, vertigo. Mild intoxication (incl. fatigue, lassitude, irritability, headache, nausea).

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

No data on possible environmental effects have been found.

### MOBILITY

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

### BIOACCUMULATION

No data available on bioaccumulation.

### DEGRADABILITY

There are no data on the degradability of this product.

### ACUTE FISH TOXICITY

Avoid discharge to the aquatic environment.

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	FLAMMABLE LIQUID, N.O.S. (BUTANONE, ISOBUTYL METHYL KETONE)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
UN NO.	1993
ADG CLASS NO.	3
DG CLASS	Class 3: Flammable liquids.
PACKING GROUP	II
TUNNEL RESTRICTION CODE	(D/E)
ADG LABEL NO.	3
HAZCHEM CODE	•3YE
UN NO. SEA	1993
IMDG CLASS	3
IMDG PACK GR.	II
EMS	F-E, S-E
UN NO. AIR	1993
ICAO CLASS	3
AIR PACK GR.	II

## 15 REGULATORY INFORMATION

### LABELLING

### WL-210 WASH



Irritant



Highly flammable

#### RISK PHRASES

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#### EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### 16 OTHER INFORMATION

#### INFORMATION SOURCES

Croner's: Substances Hazardous to Health. Croner's: Emergency First Aid Guide.

REVISION DATE 01/06/2011

#### RISK PHRASES IN FULL

R20	Harmful by inhalation.
R11	Highly flammable
R36/37	Irritating to eyes and respiratory system.
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

#### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.