



SAFETY DATA SHEET
MC-291BK MAKE UP

According to Regulation (EU) No 453/2010

1. IDENTIFICATION

Product Name	MC-291BK MAKE UP
Product No.	MC-291BK
Identification No.	1210
Identified uses	Printing Ink related material
Supplier	Domino Amjet Inc 1290 Lakeside Drive Gurnee, Illinois 60031 Tel: +1 847 244 2501 Fax: +1 847 244 1421 Email: msds@domino-uk.com
Emergency Telephone	For MEDICAL emergencies call: International Poison Control Center, USA 1-800-228-5635 (24 Hours) +1 612-851-8180 (24 hours, International)
	For TRANSPORTATION emergencies call: CHEMTREC 1-800-424-9300 (US Calls) +1 703-527-3887 (International calls)

2. HAZARD(S) IDENTIFICATION

Appearance	Liquid
Color	Lightly coloured. Black.
Odor	Ketonic.
GHS Pictogram	



Signal Word	Danger	
Hazard Statements	H225	Highly flammable liquid and vapour.
	H319	Causes serious eye irritation.
	H336	May cause drowsiness or dizziness.
Precautionary Statements	P210	Keep away from open flames and hot surfaces. - No smoking.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective clothing and gloves.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P313	Get medical advice/attention.
	P501	Dispose of contents/container in accordance with local regulations.
GHS Classification	Physical and Chemical Hazards	Flam. Liq. 2 - H225
	Human health	Eye Irrit. 2 - H319; STOT SE 3 - H336
	Environment	Not classified.

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

WHMIS Label

MC-291BK MAKE UP



Flammable Liquid.

Materials Causing Other
Toxic Effects.**Controlled Product Classification**

This Product has been classified according to the hazard criteria of the Controlled Products Regulations and the MSDS contains all required information.

Human Health

See section 11 for additional information on health hazards.

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.

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).

Environment

The product contains a substance which may cause long term adverse effects in the aquatic environment.

Physical And Chemical Hazards

Vapours are heavier than air and may travel along the floor and in the bottom of containers.

3. COMPOSITION/INFORMATION ON INGREDIENTS

BUTANONE	70-84.9%
CAS No.: 78-93-3	EC No.: 201-159-0
GHS Classification Flam. Liq. 2 - H225; Eye Irrit. 2 - H319; STOT SE 3 - H336	

Composition Comments

The product contains organic solvents.

4. FIRST-AID MEASURES**Description of first aid measures****General Information**

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

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.

Most important symptoms and effects, both acute and delayed**General Information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

MC-291BK MAKE UP**Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

May cause nausea, headache, dizziness and intoxication.

Skin Contact

Prolonged contact may cause redness, irritation and dry skin.

Eye Contact

May cause severe irritation to eyes.

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

5. FIRE-FIGHTING MEASURES

Flash point (°C) -6°C CC (Closed cup).

Extinguishing Media

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Water spray.

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

Take precautionary measures against static discharges.

Specific Hazards

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

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective clothing as described in Section 8 of this material 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.

Reference to other sections

Wear protective clothing as described in Section 8 of this material safety data sheet. See section 11 for more detailed information on health effects and symptoms. For waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapors. Use approved respirator if 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

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.

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MC-291BK MAKE UP

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
2-METHYLPROPAN-2-OL	ACGIH	100 ppm				A4
2-METHYLPROPAN-2-OL	PEL	100 ppm	300 mg/m3			
BUTANONE	ACGIH	200 ppm		300 ppm		
BUTANONE	PEL	200 ppm	590 mg/m3			
ETHANOL	ACGIH			1000 ppm		A3
ETHANOL	PEL	1000 ppm	1900 mg/m3			

COMPONENT	IDLH
2-METHYLPROPAN-2-OL	1600 ppm
BUTANONE	3000 ppm
ETHANOL	3300 ppm

ACGIH=American Conference of Governmental Industrial Hygienists.

A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans.

A4: Not Classifiable as a Human Carcinogen.

Protective Equipment



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 hands at the end of each work shift and before eating, smoking and using the toilet.

Environmental Exposure Controls

Keep container tightly sealed when not in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Lightly coloured. Black.
Odor	Ketonic.
Solubility	Slightly soluble in water. Soluble in: Organic solvents.
Initial boiling point and boiling range	-75-85°C @ 760 mm Hg
Relative density	~ 0.8 g/ml @ 20°C
Vapor density (air=1)	>1
Flash point	-6°C CC (Closed cup).
Not determined.	

10. STABILITY AND REACTIVITY

MC-291BK MAKE UP**Reactivity**

There are no known reactivity hazards associated with this product.

Stability

Stable under normal temperature conditions.

Not available.

Conditions To Avoid

Avoid contact with strong oxidisers.

Materials To Avoid

Strong oxidizing 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.

Acute toxicity:

Acute Toxicity (Oral LD50)

Not determined.

Acute Toxicity (Dermal LD50)

Not determined.

Acute Toxicity (Inhalation LC50)

Not determined.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Not determined.

Carcinogenicity:

Carcinogenicity

Not determined.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Not determined.

Reproductive Toxicity - Development

Not determined.

Specific target organ toxicity - single exposure:

STOT - Single exposure

No information available.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

No information available.

Aspiration hazard:

Not anticipated to present an aspiration hazard based on chemical structure.

12. ECOLOGICAL INFORMATION

Ecotoxicity

No data on possible environmental effects have been found.

Acute Fish Toxicity

Avoid discharge to the aquatic environment.

Degradability

There are no data on the degradability of this product.

Bioaccumulative potential

No data available on bioaccumulation.

Mobility:

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

MC-291BK MAKE UP

Results of PBT and vPvB assessment
 Not Classified as PBT/vPvB by current EU criteria.
 Other adverse effects
 Not determined.

13. DISPOSAL CONSIDERATIONS**Waste Management**

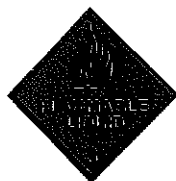
Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Disposal Methods

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

14. TRANSPORT INFORMATION

UN No. (DOT/TDG)	1210
UN No. (IMDG)	1210
UN No. (ICAO)	1210
DOT Proper Shipping Name	PRINTING INK, FLAMMABLE OR PRINTING INK RELATED MATERIAL (INCLUDING PRINTING INK THINNING OR REDUCING COMPOUND), FLAMMABLE
TDG Proper Shipping Name	PRINTING INK, FLAMMABLE OR PRINTING INK RELATED MATERIAL (INCLUDING PRINTING INK THINNING OR REDUCING COMPOUND), FLAMMABLE
DOT Hazard Class	
3	
DOT Hazard Label	
Flammable Liquid	
TDG Class	3
TDG Label(s)	3
IMDG Class	3
ICAO Class	3
Transport Labels	



DOT Pack Group	II
IMDG Pack Group	II
Air Pack Group	II
Environmentally Hazardous Substance/Marine Pollutant	
No.	

EMS	F-E, S-D
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Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes
 Not applicable.

15. REGULATORY INFORMATION**Regulatory Status (US)**

This product is formulated with a Chromium Complex dyestuff. Trace amounts of Chromium VI and its compounds may be found at levels <10ppm (0.001%). Chromium VI ions are not intentionally introduced to this product, but may be present as an integral component of the dyestuff. Chromium VI is a chemical listed on California Prop. 65.

Regulatory References

29CFR 1910.1200 Federal Regulations (OSHA Standard)

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
 None of the ingredients are listed.

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CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The following ingredients are listed.

BUTANONE; 5, 000 lbs (2270 Kg)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

The following ingredients are listed.

2-METHYLPROPAN-2-OL 0.02%

BUTANONE 83%

CAA Accidental Release Prevention

None of the ingredients are listed.

FDA – Essential Chemical

None of the ingredients are listed.

FDA – Precursor Chemical

None of the ingredients are listed.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed.

Massachusetts "Right To Know" List

The following ingredients are listed.

2-METHYLPROPAN-2-OL

BUTANONE

ETHANOL

Rhode Island "Right To Know" List

The following ingredients are listed.

2-METHYLPROPAN-2-OL

BUTANONE

ETHANOL

Minnesota "Right To Know" List

The following ingredients are listed.

2-METHYLPROPAN-2-OL

BUTANONE

ETHANOL

New Jersey "Right To Know" List

The following ingredients are listed.

2-METHYLPROPAN-2-OL

BUTANONE

ETHANOL

Pennsylvania "Right To Know" List

The following ingredients are listed.

2-METHYLPROPAN-2-OL

BUTANONE

ETHANOL

International inventories

EU - EINECS/ELINCS

All ingredients are listed or exempt.

Canada – DSL/NDSL

All ingredients are listed or exempt.

US - TSCA

All ingredients are listed or exempt.

US – TSCA 12(b) Export Notification

None of the ingredients are listed.

Australia - AICS

All ingredients are listed or exempt.

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Japan - MITI

The following ingredients are listed.

2-METHYLPROPAN-2-OL

BUTANONE

ETHANOL

Korea - KECI

The following ingredients are listed.

2-METHYLPROPAN-2-OL

BUTANONE

ETHANOL

China - IECSC

All ingredients are listed or exempt.

Philippines - PICCS

The following ingredients are listed.

2-METHYLPROPAN-2-OL

BUTANONE

ETHANOL

16. OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH	2
ENVIRONMENT	3
PHYSICAL	0
PERSONAL PROTECTION	B

Information Sources

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

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.