



## SAFETY DATA SHEET MC-236BKA MAKE UP

### 1. Identification

#### Product identifier

**Product name** MC-236BKA MAKE UP

**Product number** MC-236BKA

#### Recommended use of the chemical and restrictions on use

**Application** Printing Ink related material

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

**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 number

**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)

**National emergency telephone number** 911

### 2. Hazard(s) Identification

#### Classification of the substance or mixture

**Physical hazards** Flam. Liq. 2 - H225

**Health hazards** STOT SE 3 - H336

**Environmental hazards** Not Classified

**Human health** See Section 11 for additional information on health hazards.

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

**Physicochemical** Vapors are heavier than air and may travel along the floor and accumulate in the bottom of containers.

#### Label elements

##### Pictogram



**MC-236BKA MAKE UP**

<b>Signal word</b>	Danger
<b>Hazard statements</b>	H225 Highly flammable liquid and vapor. H336 May cause drowsiness or dizziness.
<b>Precautionary statements</b>	P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/ container in accordance with national regulations. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Contains</b>	BUTANONE

**Other hazards**

This product does not contain any substances classified as PBT or vPvB.

**3. Composition/information on ingredients****Mixtures**

<b>BUTANONE</b>	<b>70-84.999%</b>
CAS number: 78-93-3	
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2A - H319 STOT SE 3 - H336	
<b>ETHANOL</b>	<b>10-30%</b>
CAS number: 64-17-5	
<b>Classification</b> Flam. Liq. 2 - H225	
<b>2-METHYLPROPAN-2-OL</b>	<b>&lt;0.1%</b>
CAS number: 75-65-0	
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H332 Eye Irrit. 2A - H319 STOT SE 3 - H335	
<b>SOLVENT BLACK DYE</b>	<b>&lt;0.1%</b>
CAS number: 117527-94-3	
<b>Classification</b> Repr. 1B - H360D Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

**MC-236BKA MAKE UP**

**Composition comments** The product contains organic solvents.

**4. First-aid measures****Description of first aid measures**

<b>General information</b>	Keep affected person away from heat, sparks and flames.
<b>Inhalation</b>	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Do not induce vomiting. Get medical attention immediately.
<b>Skin Contact</b>	Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention immediately.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Vapors may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	May cause nausea, headache, dizziness and intoxication.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	May cause severe eye irritation.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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**5. Fire-fighting measures****Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Water spray.
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**Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	Flammable liquid and vapour. Vapors may be ignited by a spark, a hot surface or an ember. Vapors may form explosive mixtures with air. Containers can burst violently or explode when heated, due to excessive pressure build-up. Take precautionary measures against static discharges.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapors. Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
<b>Advice for firefighters</b>	
<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities. Use water to keep fire exposed containers cool and disperse vapors. Move containers from fire area if it can be done without risk.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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**Environmental precautions**

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**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid the spillage or runoff entering drains, sewers or watercourses. Small Spillages: Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Inform authorities if large amounts are involved.

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

## 7. Handling and storage

### Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level. Vapors may accumulate on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep away from oxidizing materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

**Storage class** Flammable liquid storage.

### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

## 8. Exposure Controls/personal protection

### Control parameters

### Occupational exposure limits

#### Exposure limits

#### **BUTANONE**

Long-term exposure limit (8-hour TWA): OSHA 200 ppm 590 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH 200 ppm 590 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 300 ppm 885 mg/m<sup>3</sup>

#### **ETHANOL**

Long-term exposure limit (8-hour TWA): OSHA 1000 ppm 1900 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 1000 ppm 1880 mg/m<sup>3</sup>

A3

#### **2-METHYLPROPAN-2-OL**

Long-term exposure limit (8-hour TWA): OSHA 100 ppm 300 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ACGIH 100 ppm 303 mg/m<sup>3</sup>

A4

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A3 = Confirmed Animal Carcinogen with Unknown Relevance to Humans.

A4 = Not Classifiable as a Human Carcinogen.

### Exposure controls

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### Protective equipment



### Appropriate engineering controls

All handling should only take place in well-ventilated areas. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapor or mist.

### Eye/face protection

Wear chemical splash goggles.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Do not smoke in work area. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Wash after use and before eating, smoking and using the toilet. Promptly remove any clothing that becomes wet or contaminated. Use appropriate hand lotion to prevent defatting and cracking of skin.

### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### Environmental exposure controls

Keep container tightly sealed when not in use.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Appearance	Liquid.
Color	Light (or pale). Black.
Odor	Ketonic.
Odor threshold	Not available.
pH	Not applicable.
Melting point	-86°C Information given is applicable to the major ingredient.
Initial boiling point and range	-79.6°C @ 1013 hPa Information given is applicable to the major ingredient.
Flash point	-6°C CC (Closed cup).
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.8 % Upper flammable/explosive limit: 11.5 % Information given is applicable to the major ingredient.
Vapor pressure	105 hPa @ 20°C 126 hPa @ 25°C Information given is applicable to the major ingredient.
Vapor density	>1
Relative density	0.8
Solubility(ies)	Slightly soluble in water. Soluble in the following materials: Organic solvents.

**MC-236BKA MAKE UP**

Partition coefficient	Not available.
Auto-ignition temperature	404°C Information given is applicable to the major ingredient.
Decomposition Temperature	Not available.
Viscosity	~0.43 cP @ 25°C
Other information	Not determined.
Molecular weight	Not available.
Volatility	100

**10. Stability and reactivity**

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Not available.
Conditions to avoid	Avoid contact with strong oxidizing agents.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Decomposition at ambient temperatures may generate the following substances: Toxic gases or vapors. Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).

**11. Toxicological information**Information on toxicological effectsAcute toxicity - oral

Notes (oral LD<sub>50</sub>) Not available.

Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Not available.

Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) Not available.

Respiratory sensitization

Respiratory sensitization Not available.

Germ cell mutagenicity

Genotoxicity - in vitro Not available.

Carcinogenicity

Carcinogenicity Not available.

Reproductive toxicity

Reproductive toxicity - fertility Not available.

Reproductive toxicity - development

Not available.

Specific target organ toxicity - single exposure

STOT - single exposure Not available.

**MC-236BKA MAKE UP**Specific target organ toxicity - repeated exposure**STOT - repeated exposure** Not available.Aspiration hazard**Aspiration hazard** Not anticipated to present an aspiration hazard, based on chemical structure.**Inhalation** Vapors may cause headache, fatigue, dizziness and nausea.**Ingestion** May cause nausea, headache, dizziness and intoxication.**Skin Contact** Product has a defatting effect on skin. May cause allergic contact eczema.**Eye contact** Irritating to eyes.**Route of entry** Ingestion. Skin absorption Inhalation**Medical Symptoms** Drowsiness, dizziness, disorientation, vertigo. Intoxication. Symptoms following overexposure to dust may include the following: Irritability. Headache. Nausea, vomiting.Toxicological information on ingredients.**2-METHYLPROPAN-2-OL**Acute toxicity - oral**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 3,046.0**Species** Rat**Notes (oral LD<sub>50</sub>)** REACH dossier information.**ATE oral (mg/kg)** 3,046.0Acute toxicity - dermal**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,050.0**Species** Rabbit**Notes (dermal LD<sub>50</sub>)** REACH dossier information.**ATE dermal (mg/kg)** 2,050.0Acute toxicity - inhalation**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 10,000.0**Species** Rat**Notes (inhalation LC<sub>50</sub>)** REACH dossier information.**ATE inhalation (vapours mg/l)** 10,000.0**12. Ecological Information****Toxicity** Avoid discharge to the aquatic environment.Ecological information on ingredients.**2-METHYLPROPAN-2-OL**

**MC-236BKA MAKE UP**

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 961 mg/l, Pimephales promelas (Fat-head Minnow) NOEC, 96 hours: 856 mg/l, Brachydanio rerio (Zebra Fish)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 933 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 48 hours: 976 mg/l, Selenastrum capricornutum

**Persistence and degradability**

**Persistence and degradability** There are no data on the degradability of this product.

**Ecological Information on Ingredients.****2-METHYLPROPAN-2-OL**

<b>Persistence and degradability</b>	The product is biodegradable.
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**Bioaccumulative potential**

**Bio-Accumulative Potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

**Mobility in soil**

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

**Other adverse effects**

**Other adverse effects** Not determined.

**13. Disposal considerations****Waste treatment methods**

**General information** Waste is classified as hazardous waste.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**14. Transport Information****UN Number**

**UN No. (TDG)** 1210

**UN No. (IMDG)** 1210

**UN No. (ICAO)** 1210

**UN No. (DOT)** 1210

**UN proper shipping name**

**Proper shipping name (TDG)** PRINTING INK RELATED MATERIAL

**Proper shipping name (IMDG)** PRINTING INK, FLAMMABLE OR PRINTING INK RELATED MATERIAL (INCLUDING PRINTING INK THINNING OR REDUCING COMPOUND), FLAMMABLE

**Proper shipping name (ICAO)** PRINTING INK, FLAMMABLE OR PRINTING INK RELATED MATERIAL (INCLUDING PRINTING INK THINNING OR REDUCING COMPOUND), FLAMMABLE

**Proper shipping name (DOT)** PRINTING INK RELATED MATERIAL



**MC-236BKA MAKE UP****Transport hazard class(es)**

TDG class	3
TDG label(s)	3
IMDG Class	3
ICAO class/division	3

**Transport labels****Packing group**

TDG Packing Group	II
IMDG packing group	II
ICAO packing group	II
DOT packing group	II

**Environmental hazards****Environmentally Hazardous Substance**

No.

**Special precautions for user**

EmS	F-E, S-D
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Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

**15. Regulatory Information****Regulatory Status**

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.

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

The following ingredients are listed:

*BUTANONE*

Final CERCLA RQ: 5000(2270) pounds (Kilograms)

**SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

None of the ingredients are listed.

**SARA 313 Emission Reporting**

The following ingredients are listed:

## MC-236BKA MAKE UP

2-METHYLPROPAN-2-OL

<0.1%

BUTANONE

70-84.999%

### 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.

#### California Directors List of Hazardous Substances

None of the ingredients are listed.

#### Massachusetts "Right To Know" List

The following ingredients are listed:

2-METHYLPROPAN-2-OL

ETHANOL

BUTANONE

#### Rhode Island "Right To Know" List

The following ingredients are listed:

2-METHYLPROPAN-2-OL

ETHANOL

BUTANONE

#### Minnesota "Right To Know" List

The following ingredients are listed:

2-METHYLPROPAN-2-OL

ETHANOL

BUTANONE

#### New Jersey "Right To Know" List

The following ingredients are listed:

2-METHYLPROPAN-2-OL

ETHANOL

**MC-236BKA MAKE UP***BUTANONE***Pennsylvania "Right To Know" List**

The following ingredients are listed:

*2-METHYLPROPAN-2-OL**ETHANOL**BUTANONE***Inventories****EU - EINECS/ELINCS**

All the ingredients are listed or exempt.

**US - TSCA**

All the ingredients are listed or exempt.

**US - TSCA 12(b) Export Notification**

None of the ingredients are listed.

**16. Other Information****Key literature references and sources for data** TOXNET; REACH dossier; supplier SDS.**Revision date** 4/10/2017**Revision** 5**Supersedes date** 4/13/2016**Hazard statements in full** H225 Highly flammable liquid and vapor.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H360D May damage the unborn child.  
H411 Toxic to aquatic life with long lasting effects.**ACA HMIS Health rating.** Moderate Hazard. (2)**ACA HMIS Flammability rating.** Ignites easily. (3)**ACA HMIS Physical hazard rating.** Normally stable. (0)**ACA HMIS Personal protection rating.** B

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.

