



Material Safety Data Sheet

24 HOUR EMERGENCY NUMBER: INFOTRAC@ 800.535.5053

Code: MLO1MSDS

Mötsenböcker's Lift Off. #1

Mötsenböcker's Lift Off, Inc.
P.O. Box 90947
San Diego, CA 92169

Product Information
Toll Free: 800.346.1633
Phone: 858.581.0222

Fax: 858.483.6965
Website: www.liftoffinc.com
Date: November 1, 2012

1.0 Product Information

- 1.1 Product Name Mötsenböcker's Lift Off. #1
- 1.2 Product Type Food, Pet, and Beverage Stain Remover, water-based and biodegradable
- 1.3 Hazard Rating Health 1 Fire 0 Physical Hazard 0

| | |
|-----------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

2.0 Hazardous Components

- 2.1 Acetone 67-64-1 * ACGIH STEL = 2380 mg/m3 % PEL TWA(mg/m3)
- 2.2 This product also contains trade secret ingredients. <5 2400 1780*
- 2.3 NONE; SARA 313 TOXIC CHEMICALS are not present.
- 2.4 NJTSRN #405-01, 405-02, 405-03, 406-01, 406-55, 415-01, 421-01
- 2.5 UPC Codes #077448821818, 077448404615, 077448602905, 077448121932

STEL = 15 Minute Average in Air PEL = OSHA 8 Hour Average in Air



3.0 Physical Data

- 3.1 Appearance Clear Liquid, mild odor
- 3.2 Solubility in Water Mixes with water in all proportions
- 3.3 pH 9.0-10.0
- 3.4 Initial Boiling Point 199 degrees Fahrenheit (93 degrees Celsius)
- 3.5 Specific Gravity 1.0
- 3.6 Vapor Density Heavier than air
- 3.7 VOC Weight % 3.0% (meets or exceeds all VOC regulations)
- 3.8 g/l 30



4.0 Fire and Explosion Data

- 4.1 Special Fire Hazards None
- 4.2 Fire Fighting Methods This water-based product has been tested by DOT methods and shown not to support combustion.

5.0 Reactivity Data

- 5.1 Stability Stable under normal conditions of handling.
- 5.2 Conditions to Avoid Store in a cool, dry place.

6.0 Spill or Leak Procedures (Use Proper Protective Equipment)

- 6.1 Clean Up Ventilate, mop-up, smaller amounts may be flushed safely to the sewer.
- 6.2 Waste Disposal Consult state/local authorities for limits on disposal of chemical waste.

7.0 Health Hazard Data

CAUTION

- 7.1 Effects of Overexposure to Concentrate
 - Skin Contact with product can dry and defat skin, causing irritation or dermatitis.
 - Eyes Causes eye irritation.
 - IF SWALLOWED May cause stomach distress.
 - If Inhaled Prolonged exposure to vapors may cause dizziness.

Product: Mötsenböcker's Lift Off® #1, Code: MLOMSDS1
Medical Emergency Only, 24 Hour Service: 800.535.5053

All MSD products
have an "M" rating
from Consumer
Testing Labs



8.0 First Aid

- 8.1 **Eyes** Flush immediately with plenty of cool running water. Remove contact lenses. Continue flushing for 15 minutes.
- 8.2 **Skin** Flush skin with plenty of cool running water. Wash thoroughly with soap and water. Wash contaminated clothing well before re-use.
- 8.3 **IF SWALLOWED** Rinse mouth then drink 1 or 2 large glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.
If irritation or discomfort persists, call a physician.

9.0 Protective Measures

- 9.1 **Respiratory** Ventilate to maintain exposure below limits.
- 9.2 When using the product, wear rubber gloves and eye protection such as splash proof glasses.

10.0 Additional Information/Precautions

- 10.1 **DOT Class** Not Regulated
- 10.2 Replaces previously dated January 01, 2006.
- 10.3 Green Cross Certified as biodegradable by Scientific Certification Systems (SCS).



KEEP OUT OF REACH OF CHILDREN AND PETS

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and the conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.



Material Safety Data Sheet

24 HOUR EMERGENCY NUMBER: INFOTRAC@ 800.535.5053
Code: MLO2MSDS
Mötsenböcker's Lift Off. #2

Mötsenböcker's Lift Off, Inc.
P.O. Box 90947
San Diego, CA 92169

Product Information
Toll Free: 800.346.1633
Phone: 858.581.0222

Fax: 858.483.6965
Website: www.liftoffinc.com
Date: January 01, 2012

1.0 Product Information

1.1 Product Name **Mötsenböcker's Lift Off #2 (non-aerosol)**
1.2 Product Type **Adhesives, Grease, Oily Stains, and Tape Remover**
1.3 Hazard Rating **Health 2 Fire 1 Physical Hazard 0**

| | |
|---------------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | B |

2.0 Hazardous Components

| | ACGIH/TV | OSHA/PEL | UNITS |
|--|-----------------|----------|-------|
| 2.1 Trade secret | 1000 | 1000 | PPM |
| 2.2 Trade secret | not established | | |
| 2.3 The identity of the component(s) responsible for the penetrating properties of this product is considered to be a trade secret. This product also contains trade secret ingredients. | | | |
| 2.4 NONE; SARA 313 TOXIC CHEMICALS are not present. | | | |
| 2.5 NJTSRN #407-01, 407-02, 407-03, 407-16, 407-45, 408-01, 408-55, 415-01, 421-01 | | | |



3.0 Physical Data

3.1 Appearance **Clear liquid, pungent odor**
3.2 Solubility in Water **partial**
3.3 100% pH **Does not apply. Use solution pH: n/a**
3.4 Initial Boiling Point **160-36- degrees Fahrenheit (71-182 degrees Celsius)**
3.5 Specific Gravity **.95**
3.6 Vapor Density **Heavier than air**
3.7 VOC Weight % **0.7% (meets or exceeds all VOC regulations)**
3.8 g/l **7.2**



4.0 Fire and Explosion Data

4.1 Special Fire Hazards **High temperatures may generate hazardous decomposition products including hydrogen chloride or phosgene.**
4.2 Flash Point **> 201° F (> 93.9° C) Pensky-Martens Closed Cup**

5.0 Reactivity Data

5.1 Stability **Stable under normal conditions of handling.**
5.2 Conditions to Avoid **Store in a cool, dry place.**

6.0 Spill or Leak Procedures (Use Proper Protective Equipment)

6.1 Clean Up **Ventilate, use inert absorbent.**
6.2 Waste Disposal **Consult state/local authorities for limits on disposal of chemical wastes. Do not put into sewer.**

7.0 Health Hazard Data

CAUTION

7.1 Effects of Overexposure to Concentrate
Skin Contact with product can dry and defat skin, causing irritation or dermatitis.
Eyes Causes eye irritation.
IF SWALLOWED May cause stomach distress.
If Inhaled Prolonged exposure to vapors may cause dizziness, loss of coordination and increased reaction time.

Product: Mötzenböcker's Lift Off® #2, Code: MLO2MSDS
Medical Emergency Only, 24 Hour Service: 800.535.5053

All MLO products
have an "M" rating
from Consumer
Testing Labs



8.0 First Aid

- 8.1 **Eyes** Flush immediately with plenty of cool running water. Remove contact lenses. Continue flushing for 15 minutes.
- 8.2 **Skin** Flush skin with plenty of cool running water. Wash thoroughly with soap and water. Wash contaminated clothing well before re-use.
- 8.3 **IF SWALLOWED** Rinse mouth then drink 1 or 2 large glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.
If irritation or discomfort persists, call a physician.

9.0 Protective Measures

- 9.1 **Respiratory** Ventilate to maintain exposure below limits.
- 9.2 When using this product, wear rubber gloves and eye protection such as splash proof glasses.

10.0 Additional Information/Precautions

- 10.1 **DOT Class** Not Regulated
- 10.2 **Purpose of March 15, 2001 Issue:** Change in formulation, VOC compliant, EPA New Standards. California effective date January 01, 2001.
- 10.3 **Replaces previously dated March 11, 2009.**

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Material Safety Data Sheet

24 HOUR EMERGENCY NUMBER: INFOTRAC@ 800.535.5053
Code: MLO3MSDS
Mötsenböcker's Lift Off. #3

Mötsenböcker's Lift Off, Inc.
P.O. Box 90947
San Diego, CA 92169

Product Information
Toll Free: 800.346.1633
Phone: 858.581.0222

Fax: 858.483.6965
Website: www.liftoffinc.com
Date: January 01, 2012

1.0 Product Information

- 1.1 Product Name **Mötsenböcker's Lift Off. #3 22oz, 128oz (gallon)**
- 1.2 Product Type **Pen, Ink, and Marker Graffiti Remover, water-based and biodegradable**
- 1.3 Hazard Rating **Health 1 Fire 0 Physical Hazard 0**

| | |
|-----------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |

2.0 Hazardous Components

- 2.1 Acetone 67-64-1 * ACGIH STEL = 2800 mg/m3 % <5 PEL 2400 TWA(mg/m3) 1780*
- 2.2 This product also contains trade secret ingredients.
- 2.3 NONE; SARA 313 TOXIC CHEMICALS are not present.
- 2.4 NJTSRN #409-01, 409-02, 409-03, 410-01, 410-55, 415-01, 421-01



STEL = 15 Minute Average In Air PEL = OSHA 8 Hour Average In Air

3.0 Physical Data

- 3.1 Appearance **Clear Liquid, mild odor**
- 3.2 Solubility In Water **Mixes with water in all proportions**
- 3.3 pH **9.0-10.0 used at 100%**
- 3.4 Initial Boiling Point **194 degrees Fahrenheit (90 degrees Celsius)**
- 3.5 Specific Gravity **1.0**
- 3.6 Vapor Density **Heavier than air**
- 3.7 VOC Weight % **24.10% (meets or exceeds all VOC regulations)**
- 3.8 g/l **241**



4.0 Fire and Explosion Data

- 4.1 Special Fire Hazards **None**
- 4.2 Fire Fighting Methods **This water-based product has been tested by DOT methods and shown not to support combustion.**

5.0 Reactivity Data

- 5.1 Stability **Stable under normal conditions of handling.**
- 5.2 Conditions to Avoid **Store in a cool, dry place.**

6.0 Spill or Leak Procedures (Use Proper Protective Equipment)

- 6.1 Clean Up **Ventilate, mop-up, smaller amounts may be flushed safely to the sewer.**
- 6.2 Waste Disposal **Consult state/local authorities for limits on disposal of chemical waste.**

7.0 Health Hazard Data

CAUTION

- 7.1 Effects of Overexposure to Concentrate
 - Skin **Contact with product can dry and defat skin, causing irritation or dermatitis.**
 - Eyes **Causes eye irritation.**
 - IF SWALLOWED **May cause stomach distress.**
 - If Inhaled **Prolonged exposure to vapors may cause dizziness.**

Product: Mötzenböcker's Lift Off® #3, Code: MLO3MSDS
Medical Emergency Only, 24 Hour Service: 800.535.5053

All MLO products
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from Consumer
Testing Labs



8.0 First Aid

- 8.1 **Eyes** Flush immediately with plenty of cool running water. Remove contact lenses. Continue flushing for 15 minutes.
- 8.2 **Skin** Flush skin with plenty of cool running water. Wash thoroughly with soap and water. Wash contaminated clothing well before re-use.
- 8.3 **IF SWALLOWED** Rinse mouth then drink 1 or 2 large glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.
If irritation or discomfort persists, call a physician.

9.0 Protective Measures

- 9.1 **Respiratory** Ventilate to maintain exposure below limits.
- 9.2 When using the product, wear rubber gloves and eye protection such as splash proof glasses.

10.0 Additional Information/Precautions

- 10.1 **DOT Class** Not Regulated
- 10.2 Replaces previously dated January 01, 2006.
- 10.3 Green Cross Certified as biodegradable by Scientific Certification Systems (SCS).



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