

Safety Data Sheet

安全數據表

E436 Mold Release & Ejector Pin Lube™

Stoner

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1. IDENTIFICATION 鑑定

Stoner Incorporated
1070 Robert Fulton Hwy.
Quarryville, PA 17566
1-800-227-5538

Product Name 產品名稱:
Product Code 產品編號:
Product Use 產品用途:
24 小時緊急電話:

Mold Release & Ejector Pin Lube™
E436
Mold Release 脫模劑
1-800-424-9300 [CHEMTREC]

2. HAZARD IDENTIFICATION 危害識別

POTENTIAL HEALTH EFFECTS 對健康的潛在影響

Classification of the chemical in accordance with paragraph (d) of §1910.1200 按照 1910.1200 (d) 段的化學分類;



GHS Hazard Symbols
危險品標誌

GHS Classification

GHS 分類

Gases under pressure - Liquified Gas

高壓氣體 - 液化氣

Flammable Aerosol Category 2

易燃氣霧劑類別 2

Signal Word

信號詞

Warning 警告

Hazard Statements

危險說明

Flammable aerosol.

易燃氣霧劑

Contains gas under pressure; may explode if heated.

含壓縮氣體; 如果受熱可能會爆炸。

Precautionary Statements 防範說明

Prevention 預防

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

遠離熱源/火花/明火/熱表面。 - 禁止抽煙。

Do not spray on an open flame or other ignition source.

不要噴在明火或其他點火源上。

Pressurized container: Do not pierce or burn, even after use.

加壓容器：即使使用後也不要刺穿或燃燒。

Storage 儲存

Protect from sunlight. Store in a well-ventilated place.

避免陽光直射。存放在通風良好的地方。

Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.

避免陽光直射。不要暴露於超過 50°C / 122°F 的溫度。

3. COMPOSITION/INFORMATION ON INGREDIENTS 組成/成分

COMPONENT 成分	CAS#	Percent 百分比
Halogenated hydrocarbon/ether blend 鹵化烴/醚混合物	Mixture 混合	80-100
HMIS® III* HAZARDOUS WARNINGS 危險警告:		
Health(健康): 1	Flammability(易燃): 2	Physical (物理): 2
Personal Protective Equipment: See Section 8 個人保護設備: 參見第 8 節		

* See www.paint.org/hmis or call the ACA at 1 (202) 462-6272 for more information on this current rating system.

*請參閱 www.paint.org/hmis 或致電 NPCA 1 (202) 462-6272 查詢更多有關目前的評級系統信息。

4. FIRST AID MEASURES 急救措施

Eyes(眼睛):	Immediately flush eyes gently with plenty of water for at least 15 minutes while holding eyelids apart. If symptoms persist or there is visual difficulty, seek medical attention. 立即用大量水沖洗眼睛至少 15 分鐘，同時將眼瞼分開。如果症狀持續或有視力障礙，請就醫。
Skin Contact (皮膚接觸):	In case of contact, immediately wash contaminated area with plenty of water for at least 15 minutes. For liquid contact, treat for frostbite if necessary. Seek medical attention if symptoms persist. Wash clothing before reuse. 如接觸，立即用大量清水沖洗污染區域至少 15 分鐘。對於液體接觸，如果需要治療凍傷。如果症狀持續，請尋求醫療救助。重新使用前請洗滌衣物。
Ingestion: (吞入):	Ingestion is an unlikely route of exposure. 攝入是不太可能的接觸途徑。
Inhalation (吸入):	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention. 移到新鮮空氣中。如呼吸停止，立即進行人工呼吸。如呼吸困難，給輸氧。並立即尋求醫療救助。

NOTES TO PHYSICIAN 醫護人員須知:

Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be used only in situations of emergency life support.

由於心律可能受到干擾，兒茶酚胺類藥物（如腎上腺素）只能用於緊急生命支持的情況。

5. FIRE FIGHTING MEASURES 消防措施

Fire and/or Explosion Hazards:

火災和/或爆炸危險

This product contains a component(s) that is considered an extremely flammable gas(es), which has vapors that are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, or other flames and ignition sources at locations distant from the material's handling point. Containers may rupture or explode under fire conditions.

本產品含有一種被認為是極易燃氣體的成分，該成分具有比空氣重的蒸氣，並且可能沿著地面行進，或者通過通風系統移動，並通過熱，點火燈，或其他火焰和點火源，在遠離材料處理點的位置點燃。在火災情況下，容器可能會破裂或爆炸。

Fire Fighting Instructions:

消防指示

Use CO2, foam or dry chemical. Water is generally not effective and may spread fire; however, water spray may be used from a safe distance to cool closed containers and protect surrounding area. Do not direct a solid stream of water or foam into hot burning pools, this may cause frothing and increase fire intensity.

使用二氧化碳，泡沫或乾化學品。水一般不起作用，甚至可能會傳播火災。然而，噴水可以在安全距離下使用，以冷卻附近的容器並保護周圍區域。不要將強烈的水流或泡沫引入熱水池中，否則可能會導致起泡並增加火勢。

6. ACCIDENTAL RELEASE MEASURES 意外洩漏應急處理

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED 洩漏或灑出化學物應採取處理的步驟:

Ventilate contaminated area. Remove all sources of ignition. Wear appropriate personal protective equipment (PPE). Stop or reduce discharge if it can be done safely. Avoid run-off into storm sewers and ditches which may lead to natural waterways. Clean up with absorbent material. Place absorbent materials into container and close it tightly. Dispose of container properly.

通風污染區域。除去所有火源。穿戴合適的個人防護裝備（PPE）。如果可以，安全地停止或減少排放。避免流入自然水道和溝渠。用吸水材料清理。將吸水材料放入容器中並密封。正確地處理容器。

7. HANDLING AND STORAGE 處理和儲存

Handling:

處理

Use with adequate ventilation. Do not use near ignition sources. Avoid prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor. May cause frostbite. Avoid contact with material.

充足的通風條件下使用，請勿在火源附近使用。避免長時間或反復接觸皮膚。避免長時間或反復吸入蒸氣。可能會導致凍傷。避免與材料接觸。

Storage:

儲存

Store in a cool, dry, well ventilated area away from all sources of ignition. Do not store at temperatures above 122 degrees F. Empty container may contain residues which are hazardous. Store away from incompatible materials such as materials that support combustion (oxidizing materials) and corrosive materials (strong acids or bases). Store away from oxygen cylinders or other oxidizing materials and possible ignition sources. Ground all equipment and cylinders before use.

儲存在陰涼，乾燥，通風良好的地方，遠離所有火源。不要在高於 122 華氏度的溫度下儲存。空容器可能含有有害的殘留物。遠離不兼容的材料，如支持燃燒的材料（氧化材料）和腐蝕性材料（強酸或強鹼）。遠離氧氣瓶或其他氧化物和可能的點火源。使用前將所有設備和氣瓶接地。

8. EXPOSURE CONTROLS / PERSONAL PROTECTION 個人防護處理

Engineering Controls:

工程控制

Ventilation should be adequate to prevent exposures above the limits indicated below in this section of the SDS (from known, suspected or apparent adverse effects). Local exhaust should be used in areas where exposure limits may be exceeded.

通風應足以防止暴露量高於本 SDS 下面所示的限值（來自已知，可疑或明顯的不利影響）。應該在可能超過暴露限值的地方使用局部排氣。

Eye Protection:

眼睛防護

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid or airborne material. Have an eye wash station available.

處理本產品時佩戴帶有側護板的耐化學品安全眼鏡。當可能存在與飛濺或噴灑液體或空氣傳播物質的眼睛接觸的可能性時，戴上額外的護目鏡，如化學防濺眼鏡和/或面罩。需有洗眼台可用。

Skin Protection:

皮膚防護

The use of chemically resistant gloves is recommended if there is any possibility of prolonged or repeated liquid contact with skin.

如果長期或反復與皮膚接觸的液體有可能，建議使用耐化學手套。

Respiratory Protection:

呼吸道防護

A supplied air respirator should be used if ventilation is not sufficient to maintain exposure limits. Use NIOSH approved respirator where there is likelihood of inhalation of the product mist, spray or aerosol.

如果通風不足以維持暴露限制，應使用供氣呼吸器。如果有可能吸入產品霧，噴霧劑或氣霧劑，請使用 NIOSH 認可的呼吸器。

COMPONENT 成分

Halogenated hydrocarbon/ether blend
鹵化烴/醚混合物

CAS#

Mixture
混合物

ACGIH TLV

Not established
不成立

OSHA PEL

Not established
不成立

OTHER 其他

1000ppm TWA (Mfr.)

9. PHYSICAL AND CHEMICAL PROPERTIES 物理和化學特性

Physical State: 物理狀態	Aerosol can 氣霧罐	Lower Flammability Limit (%): 易燃下限	Not applicable 不適用
Appearance: 外觀	Clear Colorless 清澈	Upper Flammability Limit (%): 易燃上限	Not applicable 不適用
Odor: 氣味	Slight ethereal. 輕微的空靈。	Vapor Pressure (PSIG @ 70 °F): 蒸汽壓力	76.00
Odor Threshold: 氣味限度	Mild 溫和	Vapor Density [air = 1]: 蒸氣密度	>1
pH: 酸鹼度	Not applicable 不適用	Relative Density (H2O=1): 相對密度	0.8
Melting/Freezing Point (°F): 熔點/冰點	No data available 無可用數據	Solubility in Water: 水中的溶解度	Negligible 微不足道; 0-1%
Boiling Point (°F): 沸點	No data available 無可用數據	Partial Coefficient: n- 分項係數	No data available 無可用數據
		octanol/water: 辛醇/水	
Flash Point (°F PMCC): 閃點	Not applicable 不適用	Autoignition Temperature (°F): 自燃溫度	622
Evaporation Rate: 蒸發率	Not determined	Decomposition Temperature (°F): 分解溫度	No data available 無可用數據
Flammability (solid, gas): 易燃性(固態，氣態)	No data available 無可用數據	Viscosity, dynamic (cSt): 黏度，動態	No data available 無可用數據
Percent VOCs (%): 揮發性有機化合物百分比	40 - 60		

10. STABILITY AND REACTION 穩定性和反應

Chemical Stability:

化學穩定性

Stable. 穩定

Conditions to Avoid:

避免接觸的條件

Avoid contact with: Alkali. Alkaline earth metals. Freshly abraded aluminum surfaces. Powdered metals. Ignition sources such as open flames, sparks, static discharges or glowing metal surfaces. Oxidizers. Acetic acids Organic acid anhydrides. Strong acids. Strong bases. Strong oxidizing agents.

避免接觸：鹼。鹼土金屬。新鮮磨損的鋁表面。粉末金屬。點火源，如明火，火花，靜電放電或發光的金屬表面。氧化劑。醋酸有機酸酐。強酸。強大的基地。強氧化劑。

Decomposition Products:

分解產物

This material can be decomposed by extremely high temperatures (open flames, glowing metal surfaces, etc.) forming hydrofluoric acid and carbonyl fluoride. If heated with peroxides present, violent decomposition can occur. Burning can produce the following combustion products: Carbon dioxide and carbon monoxide. Various hydrocarbons. Ethers. Polymer fragments. Alcohols.

這種材料可以通過形成氫氟酸和碳酰氟的極高溫度（明火，金屬表面等）分解。如果加入過氧化物，可能會發生劇烈分解。燃燒可以產生以下燃燒產物：二氧化碳和一氧化碳。各種烴。醚。聚合物片段。醇。

11. TOXICOLOGICAL INFORMATION 毒理學資料

Reproductive &
Developmental Toxicity:
繁殖與毒性發展

No data available. 無可用數據

IARC Carcinogen Designation:
IARC 致癌物質名稱

No data available 無可用數據

Ingredient 成分	CAS #	Toxicological Data
No data available 無可用數據		

12. ECOLOGICAL INFORMATION 生態資料

Ecological Toxicity(生態毒性): No data available 無可用數據
Mobility (移動性): No data available 無可用數據

Ingredient 成分

Ether propellant 乙醚推進劑

CAS

115-10-6

Toxicological Data 毒理學數據

48HR NOEC GUPPIES (孔雀魚) > 4000 mg/L

48HR NOEC Daphnia (水蚤) > 4000 mg/L

No data available 無可用數據

Aquatic (水生) LC50 (96h) MINNOW = 180 - 648 mg/L

48HR EC50 Daphnia (水蚤) = 520 mg/L IC50

Bacteria (細菌) > 50000 mg/L

NJ Trade Secret Registry 新澤西州商業秘密登記處 #80100382-5006P

13. DISPOSAL CONSIDERATIONS 廢棄處置

Disposal : Dispose according to Federal, State and local regulations.
廢棄: 根據聯邦, 州和地方法規進行處理。

14. TRANSPORTATION INFORMATION 運送資料

Agency 項目	UN Number UN 編號	Proper Shipping name 正確運輸名稱	Hazard Class 危險等級	Packing Group 包裝
DOT	UN1950	Aerosols, Flammable† 壓縮氣, 易燃	2.1	Not applicable 不適用
IATA	ID8000	Consumer Commodity† 消費品	9	Not applicable 不適用
IMDG	UN1950	Aerosols, Flammable† 壓縮氣, 易燃	2.1	Not applicable 不適用

† "Limited Quantities" may be applicable for this transportation mode. "有限數量"可能適用於這種運輸模式

15. REGULATORY INFORMATION 監管信息

Warning: This product contains the following chemicals that are subject to reporting requirements for the following regulatory bodies listed below:
警告: 本產品含有以下化學品, 須遵守下列管理機構的報告要求:

COMPONENT 成分	CAS #	% BY WEIGHT 重量	Regulatory Body 監管機構
No components listed in this section. 在本節中沒有列出的成分			SARA Section 313

Toxic Substances Control Act 有毒物質控制法案

All components of this product are listed on the TSCA inventory.
本產品的所有成分都列在 TSCA 清單中。

California Prop 65 加州 65 號提案

This product contains no California Proposition 65 ingredients that cause cancer, birth defects or other reproductive harm.
本產品不含加州 65 號提案中會導致癌症, 出生缺陷或其他生殖傷害的成分。

16. OTHER INFORMATION 其他信息

Other Information 其他信息: SDS Prepared by L. Dean Swartz, SDS Coordinator

Version Date 版本日期: 01/03/18

This information contained in this SDS is believed to be accurate as of the version date, but is not warranted to be. Since the use of this information and the conditions of use of this product are not within the control of Stoner Inc, it is the user's obligation to determine the conditions of safe use.

本 SDS 中包含的此信息在版本日期內被認為是準確的, 但不保證是準確的。由於使用這些信息和使用本產品的條件不在 Stoner 公司的控制範圍內, 因此用戶有義務確定安全使用條件。