



**TRON**  
L U B R I C A N T S

 **ULTRON**

 **MEGATRON**

 **POWERTRON**

## Material Safety Data Sheet

### Megatron Mould Release Oil

#### 1. Product & Company Identification

Product Name : Megatron Mould Release Oil  
Product Use : Release Oil

Supplier : Tron Lubricants (Tel: 031-4649300)  
8 Silicon Road,  
Marian Industrial Park,  
Pinetown,  
4147.

Health Emergency Telephone : 10111  
Contact Info : info@tronlubricants.co.za  
Tron Website : <http://www.tronlubricants.co.za>

#### 2. Hazards Identification

Emergency response data : Light Yellow Liquid. Material is combustible. DOT ERG No. – 128.

##### Potential Health Effects

Note : This product does not pose a health risk when used under normal condition for its intended use.

##### Precautionary Statements

###### Response

IN CASE OF FIRE: Use dry chemical, foam or carbon dioxide for extinction.

IF IN EYES: Rinse cautiously with water for several minutes.

IF SWALLOWED: Low viscosity material, if swallowed may enter the lungs and cause lung damage. Seek medical attention.

IF INHALED: May cause respiratory irritation, dizziness, nausea and loss of consciousness. Remove person to fresh air and keep at a rest position comfortable for breathing.

###### Disposal

Do not discharge into lakes, streams, ponds and ground water supply.

See section 11 for further health effects/toxicological data.

#### 3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Weight %	Symbol Codes	R-Phrase Numbers
Additives		5 – 10	None	Not Applicable
Heavy Aliphatic Petroleum Solvent	64742-96-7	15 – 20	Xi	R10,R36/38, R65
Heavy Aromatic Petroleum Solvent	64742-94-5	15 - 20	Xn, N	R10, R20/22, R36/38
Base oils		50 – 55	None	Not applicable

See section 8 for further Exposure limits (if applicable)

See section 15 for European Label Information

#### 4. First Aid Measures

Inhalation : Remove from further exposure. If respiratory irritation occurs due to excessive vapour or mist exposure, seek immediate medical assistance. If breathing has stopped, assist ventilation with mechanical device or use mouth-to-mouth resuscitation.

Skin Contact : Remove contaminated clothing. Dry wipe exposed skin and cleanse with hand cleaner, soap and water. Launder contaminated clothing before reuse.

Eye Contact	:	Flush thoroughly with water. If irritation occurs consult a doctor.
Ingestion	:	Seek medical attention. Do not induce vomiting.
Self-protection of the First aider	:	When administering first aid, ensure that the appropriate personal protective equipment are worn, according to the incident, injury and surroundings.
Additional Information	:	If the material is aspirated into the lungs, it may result in chemical pneumonitis. Treat Symptomatically.

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## 5. Fire-Fighting Measures

Clear fire area of all non-emergency personnel.

Extinguishing Media	:	Foam, water fog, dry chemical powder or carbon dioxide.
Special firefighting procedure	:	Use water spray to keep fire exposed containers cool and flush spills away from exposure Prevent runoff from fire control or dilution from entering streams, municipal sewers, or drinking water supply.
Special Protective Equipment for Firefighters	:	Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.
Unusual fire and explosive Hazard	:	Flammable. Vapour Accumulation could flash or explode if in contact with an open flame or ignition source.
Products of decomposition	:	Fumes, smoke and carbon monoxide.
Flash Point	:	70 <sup>0</sup> C (ASTM D92)
NFPA Hazard Id	:	Health: 0 ; Flammability: 1 ; Reactivity: 0
Advice for firefighters	:	Proper protective equipment including chemical resistant gloves are to be worn; chemical Resistant suit is indicated if excessive contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant standards.

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## 6. Accidental Release Measures

Personal precautions	:	See Section 8.
Procedure is material is released or spilled	:	Report spills/releases as required to appropriate authorities.
Methods for cleaning up	:	LAND SPILL: Shut off spill source taking normal safety precautions. Enforce measures to minimise the effects on ground water. Recover by shovelling up, or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. WATER SPILL: Eliminate all sources of ignition. Warn occupants and/or ships in the area of fire and explosion hazard. Consult and expert on the recovery and disposal of material according to local regulations.
Environmental precautions	:	Prevent spill from entering municipal sewers, water sources or low lying areas. Advise the Relevant authorities if contaminations have occurred.
Additional Advice	:	Local authorities should be advised if significant spillages cannot be contained.

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## 7. Handling & Storage

Storage Information static-	:	Store away from source of ignition in a cool, well-ventilated area. Product is known to be a
from		Accumulator, therefore all storage containers should be grounded and bonded. Store away
		strong oxidising agents or combustible material.
Handling	:	Avoid prolonged or repeated contact with skin. Avoid inhaling vapours and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment

Storage & Handling Procedure : should be used.  
To minimise the risk of fire or explosion from discharge, static and vapour accumulation, effectively bond and ground product storage and transfer systems.

Conditions for safe storage : Store at ambient temperature.  
Including any incompatibilities

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## 8. Exposure Control / Personal Protection

### Occupational Exposure Limits (OELs)

Components	CAS-No	Source	TWA	Value	Notation
Heavy Aliphatic Petroleum Solvent	64742-96-7	ACGIH TLV		525 mg/m <sup>3</sup>	
Heavy Aromatic Petroleum Solvent	64742-94-5	ACGIH TLV		525 mg/m <sup>3</sup>	

LTEL: Long Term Exposure Limits – Time Weight Average (TWA) over 8 hours.  
STEL: Short Term Exposure Limits – Time Weight Average (TWA) over 15 minutes.  
Note: Limits Shown for guidance only. Follow applicable regulations.

### Personal Protection Equipment (PPE)

Engineering controls : Use in well-ventilated area. Explosion-proof ventilation equipment with local exhaust is desirable.

Respiratory protection : Approved respiratory equipment must be used when mist concentrations exceed the recommended exposure limits. For confined spaces Self-Contained Breathing Apparatus may be required.

Eye protection : Industrial eye protection practices should be employed.

Skin and body protection : Impervious gloves and clothing must be worn. Good personal hygiene practices should always be followed.

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## 9. Physical & Chemical Properties

Appearance : Liquid  
Colour : Light Yellow  
Odour : Mild  
Solubility : Non-emulsifying  
Flash Point : 70°C  
Vapour Pressure : > 10 hPa  
Density : 0.8467 g/cm<sup>3</sup> @ 20°C (ASTM D4025)  
Viscosity, Kinematic : 19.5 mm<sup>2</sup>/s @ 100°C (ASTM D445)

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## 10. Stability & Reactivity

Stability : Stable.  
Conditions to avoid : Heat, sparks, flame and build-up of static electricity.  
Materials to avoid : Strong oxidisers  
Hazardous Decomposition Products : Fumes, smoke and carbon monoxide.

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## 11. Toxicological Information

Acute oral toxicity : (Rats): Practically non-toxic (LD50: greater than 2000 mg/kg). Based on testing of similar products and/or components.

Acute Dermal Toxicity testing : (Rabbits): Practically non-toxic (LD50: greater than 2000 mg/kg). Based on a single dose testing

		at 2000 mg/kg.
Acute Inhalation Toxicity	:	(Rats): Practically Non-toxic (LD50: greater than 5 mg/l or less). Based on testing products and/or components.
Skin Irritation	:	(Rabbits): Irritant. (Primary Irritation Index: greater than 3 but less than 6). Based on testing of similar products and/or components.
Repeated Dose Toxicity	:	certain straight-run middle distillates have been found to produce skin tumours in laboratory mouse skin-painting tests, but these have usually been associated with a high level of skin irritation. Tests have indicated that the irritation can cause tumours. Pro-longed repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis.

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## 12. Ecological Information

### Ecotoxicity Effects

Biodegradability	:	No information available.
Physico-chemical	:	No information available.
Bioaccumulation	:	No information available.
Other Adverse Effects	:	Toxic to fish, aquatic organisms and wildlife. Do not discharge into lakes, streams, ponds and ground water supply.

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## 13. Disposal Considerations

<b>Waste disposal</b>	:	Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by Incineration. Such burning may be limited pursuant to the Resource Conservation and
Recovery		Act. In addition, the product is suitable for processing by an approved recycling facility or can
		be
		disposed of at any government approved waste disposal facility. The use of these methods are subject to user compliance with applicable laws, regulations and considerations of the product characteristics at the time of disposal.
<b>Contaminated Packaging</b>	:	Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not Pressurize, cut, weld, braze, solder etc. or expose such containers to heat, flames, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Do not attempt to reuse of clean containers, since residue is difficult to remove. Empty drums should be completely drained, bunged and returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations..
<b>Local Legislation</b>	:	Disposal should be in accordance with applicable regional, national, and local laws and Regulations.
Flash Point	:	70°C

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## 14. Transportation Information

This product is a static accumulator (50 picosiemens or less).

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## 15. Regulatory Information

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

US OSHA Hazard Communication Standard	:	Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined to be hazardous.
Governmental Inventory Status	:	All components comply with TSCA, EINECS/ELINCS, AICS, METI, DSL, KECI, ENCS, PICCS and IECSC.
EU Labelling	:	Product is defined dangerous by the European Union Dangerous Substances/Preparations

Directives. EU labelling is not required.

R – phrases : R65, R38, R51/53  
organisms, Harmful: May cause lung damage if swallowed. Irritating to the skin. Toxic to aquatic  
may cause long-term adverse effects in the aquatic environment.

S – phrases : S24, S36/37, S43, S61, S62  
Avoid skin contact. Wear suitable protective clothing and gloves. In the case of fire, use foam/  
dry powder/ carbon dioxide. Avoid release into the environment. Refer to MSDS. If swallowed  
do not induce vomiting: seek medical advice immediately.

#### SARA

U.S Superfund Amendments : This product contains no "EXTREMELY HAZARDOUS SUBSTANCES"  
and Reauthorization ACT

#### SARA Title III

SARA (311/312) Reportable : Fire Chronic Acute  
Hazard Categories

The following product ingredients are cited on the list below.

Chemical Name	CAS-No.	Weight %	List Citations
Additives		5 - 10	Not Listed
Heavy Aliphatic Petroleum Solvent	64742-96-7	15 - 20	1, 18, 19, 20, 21, 23, 25.
Heavy Aromatic Petroleum Solvent	64742-94-5	15 - 20	1, 18, 19, 20, 21, 23, 25.
Base Oils		50 - 55	Not Listed

#### Regulatory List Searched

1 = ACGIH ALL	6 = IARC 1	11 = TSCA 4	17 = CA P65	22 = MI 293
2 = ACGIH A1	7 = IARC 2A	12 = TSCA 5a2	18 = CA RTK	23 = MN RTK
3 = ACGIH A2	8 = IARC 2B	13 = TSCA 5e	19 = FL RTK	24 = NJ RTK
4 = NTP CARC	9 = OSHA CARC	14 = TSCA 6	20 = IL RTK	25 = PA RTK
5 = NTP SUS	10 = OSHA Z	15 = TSCA 12b	21 = LA RTK	26 = RI RTK

## 16. Other Information

MSDS Version Number : 1.0  
MSDS Effective Date : 01.05.2017

INJECTION INJURY WARNING: If product is injected into or under the skin, or into and part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a doctor as a surgical emergency.

SAFETY: Under normal conditions of intended use, this product does not pose a health risk. Excessive exposure may result in skin, eye and respiratory irritation. Always observe good hygiene practices. Keep away from heat and flame. Keep container closed. Keep out of the reach of children.

FIRST AID: Wash skin with soap and water. Flush eyes with copious amounts of water for several minutes. If overcome by fumes or vapours, remove person(s) to fresh air. If swallowed do not induce vomiting. Seek medical assistance if symptoms persist. Before using this product, read and understand the MSDS.

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