**SAFETY DATA SHEET** **Tire & Footprint Casting Release Spray**

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** Casting Release Spray (Silicone Lubricant)
**DATE:** 7 July 2015 **SUPERSEDES DATE:** 22 January 2001
**PRODUCT NUMBER**: FS390
**MANUFACTURER**: Mopec
**ADDRESS**: 800 Tech Row
Madison Heights, MI 48071
(800) 362-8491 www.mopec.com

*The intended uses of the chemical*(s): This product is used in forensics.
*Standard industrial classification (SIC):* 2835
The public cannot use the chemical; trained professionals use the chemical only.
***24/7 EMERGENCY PHONE*:** INFOTRAC 1-800-535-5053 or 1-352-323-3500
***24/7 HEALTH EMERGENCIES*:** 800-222-1222 National Poison Control Center.

## SECTION 2 - HAZARDS IDENTIFICATION

**GHS:** 
**SIGNAL WORD:** Danger
Avoid contact with eyes and skin Keep out of reach of children.
The product may be harmful if it is swallowed.
**POTENTIAL HEALTH EFFECTS:**
**CODE OF HAZARD STATEMENTS:**
*Physical hazards.*
None.
*Health Hazards.*
H302-Harmful if swallowed.
H314-Causes skin burns.
H319-Causes serious eye irritation.
H335-May cause respiratory irritation.
H351-Suspected of causing cancer.
*Environmental hazards.*
H402-Harmful to aquatic life.
**CODE OF PRECAUTIONARY STATEMENTS:**
*General.*
P101-Keep out of reach of children.
P103-Read label before use.
*Prevention statements.*
P202-Do not handle until all safety precautions have been read and understood.
P262-Do not get in eyes, on skin or on clothing.
P264-Wash thoroughly after handling.
P270-Do not eat, drink or smoke when using this product.
P280-Wear protective gloves/protective clothing/eye protection/face protection.
*Response statements.*
*P312-Call a POISON CENTER or doctor/physician if you feel unwell.*
*P331-DO NOT induce vomiting.*
*P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.*
*P352, Wash with plenty of soap and water.*
*P362, Take off contaminated clothing and wash before reuse.*
*Storage.*
P403-Store in a well-ventilated area.
**ROUTES OF ENTRY:** Eye contact, skin, ingestion, inhalation.
**CARCINOGENICITY:** Chemicals are suspected to cause cancer.

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS # | EINECS # | % | REACH Reg. # |
|---|---|---|---|---|
| Aliphatic Hydrocarbon | 8052-41-3 | N/A | 60 | Yes |
| Hydrocarbon Propellant | 68476-86-8 | 270-704-2 | 40 | No |

See Section 8 for Personal Protection (PPE).

## SECTION 4 - FIRST AID MEASURES

**INHALATION:** Move to fresh air free from risk of further exposure. If person not breathing call 9-1-1, then apply rescue breathing. Seek medical attention as soon as possible.
**EYE CONTACT:** Flush eyes with plenty of water. If symptoms persist, seek medical attention.
**SKIN CONTACT:** In case of skin contact, wash thoroughly with soap and water. Remove contaminated clothes. Launder contaminated clothes before reuse. If symptoms persist seek medical attention.
**INGESTION:** Ingestion is an unlikely route of exposure. Do not induce vomiting. Aspiration into the lungs can cause serious damage. Seek medical attention immediately.

## SECTION 5 - FIREFIGHTING MEASURES

**FIRE OR EXPLOSION HAZARDS:** Product is highly flammable and forms ignitable mixtures with air. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot light, other flames and ignition sources at locations distant from material handling point.
**FIRE FIGHTING INSTRUCTIONS:** Use $CO_2$, foam or dry chemical. Water is generally not effective and may spread fire; however, water spray may be used to cool closed containers. Fire fighters should wear normal protective equipment and positive-pressure self-contained breathing apparatus.
**AEROSOL FLAME PROJECTION TEST:** Extremely flammable aerosol, as determined by ASTM D 3065-94. Do not use near ignition sources such as sparks or open flames.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:**
Avoid breathing vapors. Evacuate area until vapor has dispersed. Remove all sources of ignition. Place leaking containers in well ventilated area. Stop or reduce discharge if it can be done safely.

## SECTION 7 - HANDLING AND STORAGE

**HANDLING:** Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Use with adequate ventilation. If ventilation is not sufficient, wear proper respiratory equipment. Do not use near ignition sources. Do not store containers in excessive heat or direct sunlight. Protect container against physical damage. Do not remove or deface label
**STORAGE:** Store in a cool dry, well ventilated area away from all sources of ignition. Empty container may contain residues which are hazardous.
**DISPOSAL:** Dispose according to Federal, State and local regulations.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**EYE PROTECTION:** The use of safety glasses with side shields is recommended if there is any probability of liquid contact with the eyes.
**SKIN PROTECTION:** The use of chemically resistant gloves is recommended if there is any possibility of prolonged or repeated liquid contact with skin.
**RESPIRATORY PROTECTION:** A supplied air respirator should be used if ventilation is not sufficient to maintain exposure limits. If respiratory irritation develops below the recommended exposure limits, use an approved nuisance dust/mist/organic vapor respirator.
**OCCUPATIONAL EXPOSURE LIMITS:** OSHA PEL TWA; Aliphatic Hydrocarbon 400ppm.
**ENGINEERING CONTROLS:** Ventilation should be adequate to prevent exposures above the indicated in “Section 3” of this SDS. Local exhaust should be used in areas where exposure limits may be exceeded. General (mechanical) room ventilation is expected to be satisfactory.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Form: | Aerosol Can |
| Appearance: | Clear colorless |

| | | | |
|---|---|---|---|
| Odor: | Petroleum odor | | |
| Specific gravity: | 0.69 @ 70°F | | |
| Vapor Pressure | 35 paig @ 70°F | Vapor Density | (air ∞ i) >1 |
| Solubility: | Insoluble in water. | | |
| Evaporation Rate | (butyl acetate ∞ 1) N/A | | |

Note: These physical data are typical values based on material tested but may vary from sample to sample.

## SECTION 10 - REACTIVITY

**STABILITY:** This product is stable material under normal conditions of storage and handling.
**CONDITIONS TO AVOID**: Avoid contact with strong oxidizing agents. Ignition sources such as open flames, sparks, static discharges or glowing metal surfaces.
**INCOMPATIBLES:** Strong oxidizers and strong acids.
**DECOMPOSITION PRODUCTS:** Burning can produce the following combustion products: Carbon Dioxide and Carbon Monoxide. Various Hydrocarbons

## SECTION 11 - TOXICOLOGICAL/ECOLOGICAL INFORMATION

Oral $LD_{50\ (rat)}$ = NA $LC_{50\ (rat)}$ = NA
The significant routes of exposure are eyes and inhalation.

## SECTION 12 - DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** The product is a solid, wear PPE as outlined in Section 8. Dispose according to the regulations of local, state and Federal regulatory agencies.

## SECTION 13 - TRANSPORTATION INFORMATION

**US DOT (ground) SHIPPING NAME:** Not regulated
**IATA (air) SHIPPING NAME:** CARGO AIRCRAFT ONLY: Not regulated
**IMO (water) SHIPPING NAME:** Not regulated

## SECTION 14 - REGULATORY INFORMATION

**OSHA STATUS:** Harmful by inhalation and ingestion
**TSCA STATUS:** Aliphatic Hydrocarbon, Hydrocarbon Propellant
**CERCLA REPORTABLE QUANTITY:** This product contains no components with a CERCLA RQ
**CALIFORNIA PROPOSITION 65:** This material contains no cancerous components according to the state of California
**RCRA STATUS:** None
**SARA TITLE III:**
**SECTION 302 EXTREMELY HAZARDOUS:** This product does not contain any components with a SARA RQ
**SECTION 313 TOXIC CHEMICALS:** This product contains no toxic components
**RIGHT TO KNOW:** None
**EUROPEAN COMMUNITY:** Ingrediants are not listed in the inventory
**WHMIS:** 

## SECTION 15 – OTHER INFORMATION/APPROVALS

National Fire Protection Association (NFPA)

| NFPA | | |
|---|---|---|
| | | 0 Least |
| 1 | Health | 1 Slight |
| 2 | Flammability | 2 Moderate |
| 0 | Instability | 3 High |
| | | 4 Severe |

## SECTION 16 – ABBREVIATIONS /DISCLAIMER

**REASON FOR ISSUE:** This new SDS complies with GHS regulations (Section 2 pictograms) and REACH compliance (Section 3).

**APPROVAL DATE:** 28 July 2015

**PREPARED BY:** Neil Jacob **REVIEWED BY** James Seidel

**ABBREVIATIONS:**

| | | | |
|---|---|---|---|
| CAS # | Chemical Abstract Service Number | EINECS | European Inventory of existing Commercial Chemical Sales |
| ºC | Celsius temperature scale | ºF | Fahrenheit temperature scale |
| Prop. | Proprietary | PE | Personal Protective Equipment |
| TLV | Threshold Limit Value | TWA | Time Weighted Average |
| STEL | Short-term Exposure Limit | PEL | Permissible Exposure Limit |
| OSHA | Occupational Safety & Health | NIOSH | National Institute of Safety & Health |
| NFPA | National Fire Protection Agency | WHMIS | Workplace Hazardous Materials Information System |
| NTP | National Toxicology Program | IARC | Int. Agency for Research on Cancer |
| RCRA | Resource Conservation Recovery ACT | TSCA | Toxic Substance Control Act |
| $EC_{50}$ | Effective Dose | $LC_{50}$ | Lethal Inhalation Concentration |
| $LD_{50}$ | Lethal Dose | CAS | Chemical Abstract Service Number |
| LEL | Lower explosive limit | UEL | Upper explosive limit |
| NDA | No Data Available | ND | Not determined |
| NE | None established | NA | Not Applicable |
| ≤ | Less Than or Equal To | ≥ | Greater Than or Equal To |
| CNS | Central Nervous System | CI | China |
| DSL | Canada | ECL | Korean Existing Chemicals List |
| EEC | European Economic Commission | ENCS | Japanese Existing and New Chemical List |
| EU | European Union | MAC | Netherlands |
| MAK | Germany | MITI | Japan |
| PICCS | Philippines | SWISS | Giftliste 1 |
| UK | United Kingdom | USA | United States |

VOC Volatile organic content
ACGIH American Conference of Government Industrial Hygienists
SARA Superfund Amendments and Reauthorization Act
AICS Australian Inventory of Chemical Substances
IARC International Agency for Research on Cancer
Taiwan List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086