



SAFETY DATA SHEET (SDS)

1 - IDENTIFICATION

TOWER 6211-CF

Chemical family: Petroleum Hydrocarbon

Recommended use: Drawing & Stamping Metalworking

Tower Metalworking Fluids

4300 South Tripp Ave.

Chicago, IL 60632

Information telephone #: (773) 927-6161 (7:30 AM to 4 PM, CST, Monday to Friday)

24 Hr. emergency telephone #: CHEMTREC: (800) 424-9300

2 - HAZARDS IDENTIFICATION

Classification of chemical:

This material is classified as non-hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012).

Signal word: None required.

Hazard Pictogram: None required.

Hazard statement: None required.

Precautionary statement: None required.

3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical name

CAS

Concentration

Ingredients classified as non-hazardous under OSHA regulations (29CFR 1900-1200) (Hazcom 2012)

4 - FIRST-AID MEASURES

Description of first aid measures:

Inhalation: If overcome by fumes from hot product, move to fresh air. Get medical attention.

Ingestion: Do not induce vomiting. Get medical attention.

Skin: Wash with warm water and mild soap. Remove contaminated clothing.

Eye: Flush with plenty of water for at least 15 minutes or until irritation subsides. If irritation persists get medical attention.

Symptoms and effects, both acute and delayed:

Acute: Possible Eye and skin irritation.

Chronic: Repeated or prolonged skin contact may remove natural oils, resulting in development of dermatitis.

5 - FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable: Use water spray, foam, dry chemicals, or carbon dioxide (CO₂) to extinguish flames.

Water or foam may cause frothing.

Unsuitable: Straight streams of water.

Specific hazards and combustion products: Oxides of carbon upon combustion.

Special protective equipment and precautions for fire-fighters: Use standard protective equipment and in enclosed spaces, recommend self-contained breathing apparatus (SCBA) with full face-piece operated in a pressure-demand or other positive mode and full body protective clothing. Use water spray to cool fire exposed surfaces and to protect personnel. If a spill has not ignited, use water spray to disperse vapors. Treat as oil fire.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: All persons dealing with the spill should wear appropriate personal protective equipment. Keep others away from spill. Restrict access to area until the spill has been cleaned up. Extinguish all sources of ignition.

Methods and materials for containment and cleaning up: Extinguish all sources of ignition. Contain spill, soak up in absorbent medium, earth, sand or other non-combustible material. Transfer to suitable containers. If spill enters sewer, notify proper authorities.

7 - HANDLING AND STORAGE

Precautions for safe handling: Do not breathe hot vapors. Avoid prolonged or repeated skin contact. Wash thoroughly before meals and at end of work periods. Launder or dry-clean soiled clothing before reuse. Personnel in close vicinity of oil mists above TLV limit should wear approved breathing devices. TLV: 5mg/m³ as oil mist in air.

Conditions for safe storage: Keep containers closed when not in use. Do not handle or store near heat, sparks, flame, or strong oxidants. Do not pressurize, weld braze, solder, drill or cut 'empty' containers.

Incompatible materials: Strong oxidizing agents.

8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure limits: No exposure standards have been established for this material.

Engineering controls: None required under normal use conditions

Individual protection measures and personal protective equipment: Splash goggles, face shield, chemical and oil resistant gloves, impervious apron if needed to avoid prolonged skin contact.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow liquid.

Odor: Hydrocarbon.

Odor threshold: Data currently unavailable.

Product pH: N/A

Freezing point: N/A

Boiling point: N/A

Flash point: minimum 255°F COC

Evaporation rate (nButyl Acetate=1): N/D

Flammability: Data currently unavailable.

Upper/lower flammability limits: Data currently unavailable.

Vapor pressure: <0.01 mm Hg @ 68°F

Vapor density: >1 (AIR = 1)

Relative density: 0.85 (Water=1)

Solubility: Insoluble.

Partition coefficient (n-octanol/water): Information not available.

Auto-ignition temperature: Data currently unavailable.

Decomposition temperature: Data currently unavailable.

Viscosity: Typical 45 SUS @ 100°F

10 - STABILITY AND REACTIVITY

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Material does not decompose at ambient temperatures. Oxides of carbon, upon combustion.

11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation: Yes

Ingestion: Yes

Skin: Yes

Eye: Yes

Potential Symptoms of exposure:

Inhalation: May cause irritation of respiratory tract. Avoid breathing vapors or mist of this product.

Ingestion: Do not ingest. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; if more than several mouthfuls have been swallowed, give two glasses of water (16 Oz.). May cause gastrointestinal irritation. Get medical attention.

Skin: Minimally toxic under normal use. May be mildly irritating with prolonged and/or repeated skin contact.

Eye: Contact with eyes may cause irritation, tearing, redness.

Toxicological data:

TLV: 5mg/m³ as oil mist in air.

NTP, IARC or OSHA carcinogen: This product is not considered to be a carcinogen.

12 - ECOLOGICAL INFORMATION

Ecotoxicity: No data is available on the adverse effects of this material on the environment.

Persistence and degradability: Not available

Bioaccumulative potential: Data not available.

Mobility in soil: Data not available.

Other adverse effects: None known.

13 - DISPOSAL CONSIDERATIONS

Waste disposal method: Dispose of in accordance with federal, state and local regulations.

14 - TRANSPORT INFORMATION

DOT Shipping: Not Regulated.

15 - REGULATORY INFORMATION

SARA Section 355: None of the ingredients are listed.

SARA Section 313: None of the ingredients are listed.

CERCLA: None of the ingredients are listed.

California Proposition 65: None of the ingredients are listed.

TSCA: All ingredients are listed.

16 - OTHER INFORMATION

Preparation Date: March 7, 2019

Revision Date: March 7, 2019

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