# SAFETY DATA SHEET (SDS)

## 1 - IDENTIFICATION

### RUSTBEAT 386

**Chemical family:** Hydrocarbon

**Recommended use:** Rust Preventive


### 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 hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012)
Flammable liquid: Category 3
Aspiration toxicant: Category 1

**Signal word:** DANGER

**Hazard Pictograms:**

**Hazard statements:**
H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.

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**Precautionary statements:**

| | |
|---|---|
| P210 | Keep away from sparks, open flames, hot surfaces. No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground container and receiving equipment. |
| P241 | Use explosion-proof electrical and equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P280 | Wear chemical resistant gloves, goggles and face shield. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER / doctor. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| P370+P378 | In case of fire: Use water fog, foam, dry chemical or carbon dioxide to extinguish. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/ containers in accordance with federal, state and local regulations. |

## 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

| Chemical name | CAS # | Concentration | GHS Hazard Codes |
|---|---|---|---|
| Naphtha (petroleum), hydrotreated heavy | 64742-48-9 | 90 - 97% | H226, H304, H316 |

## 4 - FIRST-AID MEASURES

**Description of first aid measures:**

Inhalation: If overexposure occurs, remove to fresh air. If breathing has stopped, apply artificial respiration. Seek medical attention immediately.
Ingestion: Do not induce vomiting. Get medical attention.
Skin: Wash with warm water and mild soap. Remove contaminated clothing.
Eye: Flush with water for 15 minutes or until irritation subsides.

**Symptoms and effects, both acute and delayed:**

Acute: Mild eye and skin irritation. Excessive inhalation may cause irritation, dizziness, nausea, or unconsciousness; if symptoms occur seek medical attention.

Chronic: Prolonged or repeated skin contact may tend to remove natural oils, resulting in development of dermatitis.

## 5 - FIRE-FIGHTING MEASURES

**Extinguishing media:**

Suitable: Use carbon dioxide ($CO_2$), foam, dry chemical to extinguish flames.

Unsuitable: Straight streams of water.

**Specific hazards and combustion products:** Typical hydrocarbon combustion products upon ignition, and possible oxides of sulfur. Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.

**Special protective equipment and precautions for fire-fighters:** Use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

## 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. Flush with water into retaining area and soak up in absorbent medium. Transfer to suitable containers. If spill enters sewer, notify proper authorities.

## 7 - HANDLING AND STORAGE

**Precautions for safe handling:** Avoid contact with skin, eyes and clothing. Use proper bonding and/or grounding procedures. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause and electrical spark (ignition source).

**Conditions for safe storage:** Keep containers closed when not in use. Store in cool conditions and away from sources of ignition. Use with adequate ventilation.

**Incompatible materials:** Strong oxidizing agents.

## 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Exposure limits:**

| Source | Form | Limit/ Standard | | | Note |
|---|---|---|---|---|---|
| Naphtha (petroleum), Hydrotreated heavy | Vapor | RCP - TWA | 1200 mg/m3 | 177 ppm | Total Hydrocarbons |

**Engineering controls:** The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider: Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

**Individual protection measures and personal protective equipment:** Splash goggles, neoprene or nitrile chemical resistant gloves, chemical resistant apron if exposure is likely to be prolonged or repeated. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Types of respirators to be considered for this material include a half-face filter respirator. For high airborne concentrations, use a NIOSH/MSHA approved air-supplied respirator.

## 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Pale yellow liquid.
**Odor:** Bland.
**Odor threshold:** Data currently unavailable.
**Product pH:** N/A
**Freezing point:** Data currently unavailable.
**Boiling point:** IBP 350ºF
**Flash point:** >125ºF (40.6ºC) [ASTM D-56]
**Evaporation rate (nButyl Acetate=`1):** <0.1
**Flammability:** Data currently unavailable.
**Upper/lower flammability limits:** LEL: 1.0% UEL: 7.0%
**Vapor pressure:** 2.0 mm Hg at 20ºC
**Vapor density (Air=1):** 5
**Relative density:** 0.79
**Solubility:** Negligible solubility in water.
**Partition coefficient (n-octanol/water):** Information not available.
**Auto-ignition temperature:** 689°F (365°C)
**Decomposition temperature:** Information not available.
**Viscosity (cSt @ 25ºC):** N/D
**VOC:** 692 gm/L [EPA Method 24]

## 10 - STABILITY AND REACTIVITY

**Chemical stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** Hazardous polymerization does 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. Typical hydrocarbon combustion products upon ignition, and possible oxides of sulfur.

## 11 - TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**
Inhalation: Acute Toxicity: (Rat) 8 hour(s) LC50 > 5000 mg/m$^3$ (Vapor)
Ingestion: Acute toxicity (Rat) LD50 > 5,000 mg/kg.
Skin: Acute Toxicity (Rabbit) LD50 > 5,000 mg/kg.
Eye: Yes

**Potential symptoms of exposure:**
Inhalation: Minimally toxic, based on test data for the material. Negligible hazard at ambient/normal handling temperatures.
Ingestion: Minimally toxic, based on test data for the material.
Skin: Minimally toxic, based on test data for the material. Mildly irritating to skin with prolonged exposure.
Eye: May cause mild, short-lasting discomfort to eyes.

**NTP, IARC or OSHA carcinogen:** None of the constituents of this product have been identified as possible or proven carcinogens by NTP, IARC, or OSHA.

## 12 - ECOLOGICAL INFORMATION

**Ecotoxicity:** Material may cause long-term adverse effects in the aquatic environment.

**Persistence and degradability:**
Biodegradation: Material expected to be readily biodegradable.
Hydrolysis: Material transformation due to hydrolysis not expected to be significant.
Photolysis: Material transformation due to photolysis not expected to be significant.
Atmospheric Oxidation: Material expected to degrade rapidly in air.

**Bioaccumulative potential:** Data not available.

**Mobility in soil:** Adsorbs to soil and has low mobility.

**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:** Combustible Liquid
**DOT Hazard class**: 3
**UN/NA Number**: UN1268/NA1993

## 15 - REGULATORY INFORMATION

SARA Section 355: None of the ingredients are listed.
SARA 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:** August 1, 2014

**Revision Date:** August 14, 2017