



Tower Metalworking Fluids
4300 S. Tripp Ave.
Chicago, IL 60632

Phone: (773) 927-6161
Fax: (773) 927-3105

Page 1 of 1

Invoice Date	Invoice Number
1/3/2018	702145
Due Date	Order Number
1/3/2018	702145

INVOICE

Sold To:

Solution Bridgestone
95L, New Colony
Gurgeon, 122001
India

Ship To:

Solution Bridgestone
95L, New Colony
Gurgeon, 122001
India

Ship Date	Ship Via		Freight Terms		Payment Terms		
1/3/2018	CPU		CUSTOMER PICKUP		Pay In Advance		
Purchase Order Number		SLS		Order Date	Customer Number		
3138		125		12/13/2017	S0543		
QTY Shipped	Packaging	Total Quantity	Product			Unit Price	Amount
17	5 G PAIL	85 G	TOWER LS-G167			22.4400 / G	1,907.40
		UN 1268					
			Merchandise SubTotal				1,907.40
			Total Invoice				1,907.40

Please Remit Payment To:	Tower Metalworking Fluids · 4300 S. Tripp Ave. · Chicago, IL · 60632
Tower ACH Information:	Bank of America - Routing Number:081904808 - Account Number:002872479993

THIS INVOICE MUST BE PAID BY THE DUE DATE, OTHERWISE A 1.5% MONTHLY INTEREST RATE WILL BE CHARGED.

STRAIGHT BILL OF LADING

From: Tower Metalworking Fluids

At: 4322 S. Tripp Ave.
Chicago, IL 60632
Phone:
Fax:



Page 1 of 1

Order Date

12/13/2017

Order#

702145

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Solution Bridgestone
95L, New Colony
Gurgeon, 122001
India

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Solution Bridgestone
95L, New Colony
Gurgeon, 122001
India

CUST NO.		OPERATOR		SHIP VIA		SHIPMENTS VIA		D.O.T. HAZARDOUS MATERIALS PLACARDS FURNISHED BY:			
S0543		mkoziol		CPU		MOTOR CARRIER		<input type="checkbox"/> SHIPPER		<input type="checkbox"/> CARRIER	
CUST. ORDER NO.				FREIGHT		FOB REMARK					
3138				CUSTOMER PICKUP							
QUANTITY ORDERED	QUANTITY SHIPPED	PACKAGING	HM	DESCRIPTION				NET WEIGHT	GROSS WEIGHT	FRT CLS	
17	17	5GPAIL LSG167-P	X	NA 1993,Combustible Liquid N.O.S. (Mineral Spirit Soultion) 3, PGIII TOWER LS-G167 <div><div><div><u>Lot Number:</u></div><div>17121308</div></div><div><div><u>Packaging:</u></div><div>5 G PAIL</div></div><div><div><u>Qty:</u></div><div>11</div></div></div> <div><div><div><u>Lot Number:</u></div><div>17121309</div></div><div><div><u>Packaging:</u></div><div>5 G PAIL</div></div><div><div><u>Qty:</u></div><div>6</div></div></div> <div><div>Total Weights:</div><div>553</div></div> <div>Customer Pick-Up (Customer Makes Shipping Arrangements)</div> <div>Export Order</div>				553	604		

PACKING SLIP

SHIPPER'S CHECKLIST

COD

Amt: \$ 0.00

SHIPPER CERTIFICATION

This is to certify that the above named materials are properly classified, described, packaged,marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department Of Transportation.

Shipper Signature_____

SIGNATURE HEREBY CONFIRMS THAT QUANTITY SPECIFIED IS CORRECT AND RECEIVED IN GOOD CONDITION

Driver or Customer Signature_____

DOT LABELS
APPLIED AND
SECUREDOT
AUTHORIZED
CONTAINERSPROPER DOT
NAME ON ALL
PACKAGESCHECKED FOR
PROPER
SEALING

FREIGHT CHARGES

If charges are to be
prepaid, write or
stamp here, "TO BE
PREPAID"

DELIVERED BY:

RECEIVED BY:

DATE:

FOR CHEMICAL EMERGENCY, SPILL, LEAK, EXPOSURE OR ACCIDENT
CONTACT: CHEMTREC (800)-262-8200 CCN# 22508



SAFETY DATA SHEET (SDS)

1 - IDENTIFICATION

LS-G-167

Chemical family: 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 hazardous under OSHA regulations (29CFR 1910.1200) (Hazcom 2012)

Flammable liquids: Category 4

Aspiration hazard: Category 1

Skin corrosion/irritation: Category 2

Serious eye damage/eye irritation: Category 2B

Acute toxicity, inhalation: Category 4

Specific target organ toxicity: Category 3
(single exposure; Narcotic effects)

Signal word: DANGER

Hazard Pictogram:



Hazard statement:

H227	Combustible Liquid
H304	May be fatal if swallowed and enters airways.
H315+ H320	Causes skin and eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness and dizziness.

Precautionary statement:

Prevention

P210 Keep away from sparks, open flames, hot surfaces. No smoking.
P261 Avoid breathing mist/vapors/spray.
P264 Wash contact area thoroughly after handling.
P271 Use only outdoors or in well-ventilated areas.
P280 Wear chemical resistant gloves, goggles and face shield.

Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor.
P302+P352 IF ON SKIN: Wash with plenty of water and mild soap.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a doctor if you feel unwell.
P331 Do NOT induce vomiting.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use water fog, foam, dry chemical or carbon dioxide to extinguish.

Storage

P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.
P405 Store locked up.

Disposal

P501 Dispose of contents/ containers in accordance with federal, state and local regulations.

3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical name	CAS #	Concentration
Hydrotreated light distillates	64742-47-8	90 – 100%

4 - FIRST-AID MEASURES

Description of first aid measures:

Inhalation: If overexposure occurs, remove to fresh air. If breathing is irregular or has stopped, apply artificial respiration by trained personnel. Seek medical attention immediately.

Ingestion: Do NOT induce vomiting. Get medical attention immediately. Wash out mouth with water. Remove to fresh air and keep at rest in comfortable position. Aspiration hazard if swallowed. Can enter the lungs and cause damage. If vomiting occurs spontaneously, keep head low below hips so that stomach content doesn't get into the lungs.

Skin: Wash with warm water and mild soap. Remove contaminated clothing. Get medical attention if irritation develops or persists.

Eye: Immediately flush with water for 15 minutes or until irritation subsides occasionally lifting the upper and lower eyelids. Remove contact lenses if present, continue rinsing for at least 10 minutes. Get medical attention if irritation persists.

Symptoms and effects, both acute and delayed:

Acute: Drying and defatting of skin which can lead to irritation. Transient eye irritation. Vapors may cause drowsiness and dizziness. May cause lung damage if swallowed.

Chronic: Prolonged or repeated skin contact may tend to remove natural oils, resulting in development of dermatitis. No other significant effects or critical hazards known.

5 - FIRE-FIGHTING MEASURES

Extinguishing media:

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

Unsuitable: Do not use straight streams of water, as this will spread the fire.

Specific hazards and combustion products: Combustible liquid. Oxides of carbon upon combustion. Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment and precautions for fire-fighters: Use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Water spray and water fog can be used 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. Avoid breathing vapor or mist.

Methods and materials for containment and cleaning up: Extinguish all sources of ignition. Stop leak if without risk. Move containers from spill area. Flush with water into retaining area and soak up in absorbent medium. Transfer to suitable containers. If spill enters sewer, notify proper authorities. Dispose of via a licensed waste disposal contractor.

7 - HANDLING AND STORAGE

Precautions for safe handling: Use appropriate personal protective equipment. Do not swallow or breath vapor. Avoid contact with skin, eyes and clothing. Use only with adequate ventilation. 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). Store and use away from heat, sparks, open flame or any other ignition source.

Conditions for safe storage: Keep containers tightly closed when not in use. Store in cool, dry conditions and in a segregated area away from sources of ignition. Store in well ventilated area. Store locked up and in accordance with local regulations.

Incompatible materials: Strong oxidizing agents.

8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure limits:

Source	Form	Limit/ Standard	Note
Hydrotreated light distillates	Vapor	179 ppm (1200 mg/m ³) 8 hr(s)	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. Ensure that eyewash stations and safety showers are close to the workstation location. 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: Colorless Liquid
Odor: Hydrocarbon
Odor threshold: Data currently unavailable.
Product pH: N/A
Freezing point: Data currently unavailable.
Boiling point: IBP 350°F minimum
Flash point: Closed cup: 142°F Minimum
Evaporation rate: <1 (BA=1)
Flammability: Data currently unavailable.
Upper/lower flammability limits: LEL: 0.8% UEL: 6.0%
Vapor pressure: <0.5 mm Hg
Vapor density: >1 (Air = 1)
Relative density: 0.79
Solubility: Negligible solubility in water.
Partition coefficient (n-octanol/water): Information not available.
Auto-ignition temperature: Information not available.
Decomposition temperature: Information not available.
Viscosity: 1.5 (cSt @ 25°F)
VOC: 752 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. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

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: Might produce mild respiratory tract irritation at elevated concentrations. Harmful if inhaled. Overexposure symptoms may include nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness.
Ingestion: Aspiration hazard. Irritating to mouth, throat and stomach.
Skin: Symptoms may include irritation, redness.
Eye: Symptoms may include pain or irritation, watering, redness.

Toxicological data:

ORAL (LD50): Acute: >5000 mg/kg [Rat]
DERMAL (LD50) Acute: >2000 mg/kg [Rabbit]

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: Product contains components that have the potential to be toxic to freshwater and saltwater ecosystems.

Persistence and degradability: Information not available.

Bioaccumulative potential: Information 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

US Department of Transportation Classification (49 CFR Parts 171-180)

UN number: UN1268

Shipping name: PETROLEUM DISTILLATES, N.O.S.

Class: 3

Packing group: PG III

ERG code: 128

Marine pollutant: no

INTERNATIONAL

IATA

Not regulated as a dangerous good

IMDG

Not regulated as a dangerous good

15 - REGULATORY INFORMATION

Sara III (Superfund Amendment and Reauthorization Act of 1986) 40 CFR Part 372 and 40 CFR Part 355

Sections 302, 304 and 40 CFR Part 355 – Extremely Hazardous Substances:

Component	%	RQ (lbs.)	TPQ (lbs.)	CAS#
NONE	–	–	–	–

Sections 311, 312 and 40 CFR Part 355 – Hazard Categories:

ACUTE (IMMEDIATE HEALTH HAZARD):	YES	FIRE HAZARD:	YES
CHRONIC (DELATED HEALTH HAZARD):	NO	REACTIVE HAZARD:	NO
SUDDEN PRESSURE RELEASE:	NO		

Sections 313 and 40 CFR Part 372 – Toxic Chemicals:

Component	%	CAS#
NONE	–	–

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

Section 102 and 40 CFR Part 302 – Hazardous Substances:

Component	%	RQ (lbs.)	CAS#
NONE	–	–	–

CLEAN WATER ACT

Under section 311 (b) (4) of this act, contamination of surface waters by petroleum products must be reported immediately to the National Response Center. SECTION 311 (b) (4) DOES APPLY TO LS-G-167

California Proposition 65: None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All components of this formula are listed in the TSCA inventory.

16 - OTHER INFORMATION

Preparation Date: August 1, 2014

Revision Date: June 12, 2017

The information appearing in this document is based upon data obtained from raw material manufacturers and/or recognized technical sources. While this information is believed to be correct, TOWER METALWORKING FLUIDS makes no representations as to its accuracy or sufficiency, usage, or the hazards connected with the use of this material. Since this product may be applied under conditions unfamiliar to us or beyond our control, we claim no responsibility for the results of its use, and users are responsible for the verification of this information under their own operation conditions to determine whether the product is suitable for their particular purposes, and these users assume all risks of their use, handling, and disposal of the product. This information relates only to the product designated above and does not relate to its use in combination with any other material in any other process.
