



SAFETY DATA SHEET STEEL SLIP

MSDS No.SS/N3 Date of Issue: 22/10/2013

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1. IDENTIFICATION OF THE SUBSTANCES/PREPARATION AND THE COMPANY

1.1 Product Name: STEEL SLIP

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

PRODUCT USE INDUSTRIAL LUBRICANT FOR CHAINS AND WIRE ROPES.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

SUPPLIER SLIPSTREAM
72A PARKER ROAD
HASTINGS
EAST SUSSEX
TN34 3TT

Email: slipstreamlubricants@btconnect.com

1.4 EMERGENCY TELEPHONE NUMBER:

00447786624767 (24 hour)

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

CLASSIFICATION (67/548) Xn;R65. N;R51/53. R10, R66, R67.

CLASSIFICATION (EC 1272/2008)

Physical and Chemical

Hazards

Flam. Liq. 3 - H226

Human health EUH066;STOT SE 3 - H336;Asp. Tox. 1 - H304

Environment Aquatic Chronic 2 - H411

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008

2.2 LABEL ELEMENTS

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD Danger

CONTAINS hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-3.5%)

2.3 HAZARD STATEMENTS

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

OTHER HAZARDS

Irritating to eyes, respiratory system and skin. Repeated exposure may cause skin dryness or cracking

RISK PHRASES

R20, R21, R36, R37, R38

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION: CHEMICAL COMPOSITION: Synthetic non-aromatic hydrocarbon mixture with plasma solids and other additives.

Components with health or Environmental hazard	EINECS number	CAS number	Symbol / R-phrase	wt%
Xylene (mixture of isomers)			Xn/Xi R20/21, R38	1 -2
1,2,4 Trimethylbenzene			Xn/Xi R20,R36/37/38	2 - 3.5

NOTE: Benzene (CAS No 71-43-2) may be present in trace amounts but will always be less than the 0.1% marker level in the 21st ATP to the dangerous substances Directive.

This product is not classified as a carcinogen under 67/548/EEC and the CHIP regulations 1996.

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

EYES	Flush thoroughly with large amounts of clean running water for at least 15 minutes and obtain medical attention if irritation persists.
SKIN	Wash with soap and water. DO NOT use petrol or solvents. Remove contaminated clothing
INGESTION	If swallowed, clean out mouth with copious volumes of water and drink plenty and seek prompt medical attention. Keep patient at rest. DO NOT induce vomiting. The danger here is possible aspiration of vomited product into the lungs
INHALATION	Move to fresh air Keep patient at rest and obtain medical attention if symptoms persist. See section 11.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:	Alcohol-resistant foam, Dry powder, Carbon dioxide (CO ₂), water fog.
UNSUITABLE EXTINGUISHING MEDIA	Water jets
5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	In combustion emits flumes of carbon monoxide (CO) and carbon dioxide (CO ₂)
5.3 ADVICE FOR FIRE-FIGHTERS	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTION EQUIPMENT AND EMERGENCY PROCEDURES

Personal precautions. See Section 8 Exposure Control/ Personal Protection.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, surface and ground water. Contain spillage.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Mop up or absorb onto inert material for disposal according to national or local regulations for oily waste. The solvent component will continue to evaporate and release flammable vapours

6.4 REFERENCE TO OTHER SECTIONS: See Section 4 First aid Measures and Section 10 Stability and Reactivity.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes and unnecessary contact with skin. Open containers carefully away from sources of ignition. Keep containers closed when not in use. DO NOT SMOKE. SEE SECTION 11.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES.

Store in suitable labelled containers in a well-ventilated and dry area away from sources of direct heat. Keep containers closed when not in use. Store below 40°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS	No official exposure limit. Slipstream recommends 600 ppm (8 hrs).
8.2 EXPOSURE CONTROL	
Respiratory protection	Ensure adequate ventilation. The use of mechanical dilution ventilation is recommended whenever the product is used in confined spaces or at high temperatures. If this is not possible, approved respirators may be necessary.
Hand protection	Wear neoprene rubber gloves
Eyes protection	Wear goggles or safety glasses with side shields.
Skin protection	Short term exposure is not considered hazardous. READ SECTION 11. If prolonged contact is envisaged wear neoprene rubber gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Liquid
COLOUR	Milky white fluid
ODOUR	Characteristic.
EVAPORATION RATE	0.11 (N-But Ac=1)
FREEZING POINT	-50°C
FLASH POINT	39°C (PMCC)
DENSITY	0.79-0.80 kg/l
VAPOUR PRESSURE	0.3 kPa (approx) at 20°C.
VAPOUR DENSITY (air = 1) :	>100
SOLUBILITY IN WATER	INSOLUBLE
VISCOSITY	1.15mm ² /s
EXPLOSIVE LIMITS IN AIR:	0.6 - 7.0 vol%

9.2 OTHER INFORMATION

SOLUBILITY IN OILS / FATS / OTHER	Soluble in hydrocarbon solvents
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10. STABILITY AND REACTIVITY**10.1 REACTIBILITY****10.2 CHEMICAL STABILITY**

- Stable under normal conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

- None known

10.4 CONDITIONS TO AVOID

- Heat. Direct sunlight

10.5 INCOMPATIBLE MATERIALS

- Avoid strong oxidising agents.

10.6 HAZARDOUS DECOMPOSITION

- Oxides of carbon, water vapour, soot, unburnt hydrocarbons. Compounds of Fluorine.

11. TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS****SPECIFIC HAZARDS**

- The plasma solids produce fumes containing toxic and corrosive compounds of fluorine under burning conditions. DO NOT SMOKE or allow traces of the material to contaminate cigarettes or tobacco.

CARCINOGENICITY

- The product does not contain any substance listed by OSHA, NTP or IARC Monograph as a carcinogen.

11.2 SYMPTOMS / ROUTES OF EXPOSURE**EYE CONTACT:**

- May cause mild irritation but does not injure eye tissue.

SKIN CONTACT:

- Occasional brief contact will not cause significant irritation unless evaporation is impeded. Repeated and/or prolonged contact will defat the skin and may cause mild irritation or dermatitis. Primary skin irritant under closed or semiclosed conditions.

INHALATION:

- High vapour concentrations are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Vapour LC50 (Rat) >970 ppm 4 hour exposure). DO NOT SMOKE when handling (see SPECIFIC HAZARDS above),

INGESTION:

- Minimal toxicity. Acute oral toxicity (LD50 rat) >5000 mg/kg (based on data for components). Small amounts aspirated into the lungs during ingestion or subsequent vomiting may cause bronchopneumonia or pulmonary oedema. See Section 4.

12. ECOLOGICAL INFORMATION**12.1 TOXICITY**

- Ecotoxicity: Effects have not been established.

12.2 PERSISTANCE AND DEGRADABILITY

- Not readily biodegradable

12.3 BIOACCUMULATIVE POTENTIAL

- Not bioaccumulate.

12.4 MOBILITY IN SOIL

- Will float on water.
- Readily absorbed by soil

12.5 RESULTS OF PBT AND vPvB ASSESSMENT

- No data.

12.6 OTHER ADVERSE EFFECTS

- Not known

13. DISPOSAL CONSIDERATIONS**13.1 WASTE TREATMENT METHODS**

- This product is NOT suitable for disposal via municipal sewers, drains, natural streams or rivers.
- Disposal in regulated landfill sites or other hazardous or toxic waste providers.

14. TRANSPORT INFORMATION



CLASSIFICATION:

Classified as Flammable UN NO. ROAD 1300
 ADR CLASS NO. 3
 ADR CLASS Class 3: Flammable liquids.
 ADR PACK GROUP III
 TUNNEL RESTRICTION CODE (D/E)
 HAZARD No. (ADR) 30
 ADR LABEL NO. 3
 HAZCHEM CODE 3Y
 UN NO. SEA 1300
 IMDG CLASS 3
 IMDG PACK GR. III
 EMS F-E, S-E
 UN NO. AIR 1300
 AIR CLASS 3
 AIR PACK GR. III

15. REGULATORY INFORMATION

CLASSIFICATION .

EEC CLASSIFICATION

Classified as Flammable/Harmful Symbol Xn, under Dangerous Preparations

Directive 67/548/EEC.

NATURE OF SPECIAL RISK

R10	Flammable
R51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
R65	Harmful, may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness

SAFETY ADVICE

S23	Do not breath gas/fumes/vapour/spray.
S24/25	Avoid contact with skin and eyes
S61	Avoid release to the environment. Refer to special instructions/safety data sheet.
S62	If swallowed, do not induce vomiting; seek medical advice immediately and show this container.

17. OTHER INFORMATION

- This safety data sheet was prepared in accordance with (EU) No 453/2010.
- The information contained in this Material Safety Data Sheet is based on the best information available to the Company and is accurate to the best of the Company's knowledge. However, Slipstream makes no representation or warranty regarding the information and it is not intended to be all-inclusive. It is the user's responsibility to ensure that he has all the information necessary to satisfy himself that the material is safe to use under the prevailing conditions