Beiblatt zum Sicherheitsdatenblatt / *Supplement to the safety data sheet*

Abschnitt 1 / *Section 1*

s. Original-Datenblatt / see original safety data sheet

1.1 Produktidentifikation / *Product identification* s. Original-Datenblatt / *see original safety data sheet*

1.2 Verwendungen des Stoffs / *Uses of the substance* s. Original-Datenblatt / *see original safety data sheet*

1.3 Einzelheiten zum Lieferanten / *Details of the supplier*

Firmenname /	*Supplier*	Stürmer Maschinen GmbH,
Straße /	*Street*	Dr.-Robert-Pfleger-Str. 26,
Ort /	*City*	D-96103 Hallstadt
Tel. /	*Phone*	+49 (0)951 96555 - 0 (07:00 - 17:00 Uhr / *07:00 am - 05:00 pm*)
E-Mail /	*E-Mail*	info@stuermer-maschinen.de

1.4 Notrufnummer / *Emergency Telephone*

Wählen Sie die passende Notrufnummer anhand des GHS-Symbols auf Ihrem Gefahrgut oder entsprechend Abschnitt 2.2 des orig. Sicherheitsdatenblattes *.
*Call the appropriate emergency number using the GHS symbol on your dangerous goods or according to section 2.2 of the original safety data sheet *.*

GHS Gefahren-piktogramm / *GHS symbol*	**GHS-Kürzel/ *GHS-no.***	**Mögliche Signalwörter/ *Warning***	**Gefährdungsklassen / *Description of hazards***	**Notrufnummer */ *Emergency Phone **
	GHS01 bis GHS09			+49 (0)951 96555 **- 590** Sammelnotrufnummer Gefahrstoffe
	GHS01	Gefahr oder Achtung / *Danger or Attention*	Explosive Stoffe/Gemische und Erzeugnisse mit Explosivstoff, selbstzersetzliche Stoffe/Gemische, organische Peroxide / *Explosive substances / mixtures and products containing explosives, self-reactive substances / mixtures, organic peroxides*	**- 591**
	GHS02	Gefahr oder Achtung / *Danger or Attention*	Selbstzersetzliche Stoffe/Gemische, organische Peroxide, entzündbare Gase, Aerosole Flüssigkeiten, Feststoffe, selbsterhitzungsfähige Gemische, pyrophore Flüssigkeiten und Feststoffe, Stoffe/Gemische, die bei Berührung mit Wasser entzündbare Gase bilden / *Self-reactive substances / mixtures, organic peroxides, flammable gases, aerosols, liquids, solids, self-heating mixtures, pyrophoric liquids and solids, substances / mixtures which form flammable gases on contact with water*	**- 592**
	GHS03	Gefahr oder Achtung / *Danger or Attention*	Oxidierende Gase, Flüssigkeiten, Feststoffe / *Oxidizing gases, liquids, solids*	**- 593**
	GHS04	Achtung / *Attention*	Verdichtete, verflüssigte, gelöste und tiefgekühlt verflüssigte Gase / *Compressed, liquefied, dissolved and refrigerated liquefied gases*	**- 594**
	GHS05	Gefahr oder Achtung / *Danger or Attention*	Verätzung der Haut, schwere Augenschäden, auch metallkorrosive Eigenschaften / *Chemical burns to the skin, severe eye damage, also metal-corrosive properties*	**- 595**
	GHS06	Gefahr / *Danger*	Äußerst schwere und schwere akute Gesundheitsschäden oder Tod / *Extremely severe and severe acute damage to health or death*	**- 596**
	GHS07	Achtung / *Attention*	Akute Gesundheitsschäden, Reizung der Haut, der Augen und der Atemwege, Sensibilisierung der Haut, narkotisierende Wirkungen / *Acute damage to health, irritation of the skin, eyes and the respiratory tract, sensitization of the skin, narcotic effects*	**- 597**
	GHS08	Gefahr oder Achtung / *Danger or Attention*	Chronische Gesundheitsschäden (Organschädigungen) bei einmaliger oder mehrmaliger Exposition, krebserzeugende, erbgutverändernde und fort-pflanzungsgefährdende Wirkungen, Lungenschäden durch Eindringen von Substanzen in die Lunge (Aspirationsgefahr), Sensibilisierung der Atemwege / *Chronic damage to health (damage to organs) after single or multiple exposure, carcinogenic, mutagenic and reproductive effects, lung damage due to the penetration of substances into the lungs (risk of aspiration), sensitization of the respiratory tract*	**- 598**
	GHS09	Achtung oder ohne Signalwort/ *Attention or without wording*	Giftig für Wasserorganismen mit kurz- und langfristiger Wirkung / *Toxic to aquatic organisms with short and long-term effects*	**- 599**

* 07:00 - 17:00 Uhr, außerhalb dieses Zeitraums kann die Nummer auf dem Sicherheitsdatenblatt angerufen werden /
07:00 am - 05:00 pm, outside this time, the number on the safety data sheet can be called

Für alle anderen Informationen siehe Original-Sicherheitsdatenblatt / *For all other information, see the original safety data sheet*

PRODUCT DATA SHEET

IP Mellana Oil

IP Mellana Oil are solvent-refined oils with a high viscosity index and special EP (Extreme Pressure) additives. They possess higher requirements for thermal stability, oxidation and demulsibility resistance and excellent anti-corrosion and anti-foam properties.

CHARACTERISTICS (TYPICAL VALUES)

Mellana Oil

ISO VG			68	100	150	220	320	460	680
Density at 15 °C	ASTM D 4052	kg/l	0.885	0.890	0.895	0.895	0.900	0.905	0.915
Viscosity at 100 °C	ASTM D 445	mm^2/s	8.2	11.8	13.9	18.7	23.0	30.9	35.4
Viscosity at 40 °C	ASTM D445	mm^2/s	64	100	141	220	300	460	630
Viscosity Index	ASTM D 2270	-	95	95	95	95	95	95	90
Flash Point COC	ASTM D 92	°C	225	230	235	240	240	245	250
Pour Point	ASTM D 97	°C	-12	-12	-9	-9	-9	-9	-9

(The analytical values shown in this technical information sheet refer to normal production tolerances and do not constitute a specification; they can be changed even without notice)

PROPERTIES AND PERFORMANCE

IP Mellana Oil possess superior EP and anti-wear properties, as shown by the following tests:

- pass the 12^{th} FZG stage
- TIMKEN-OK LOAD 60 lbs
- 4 EP balls: max load without seizure 110 kg; welding load 280 kg.

They therefore make it possible to prevent wear of the gears, even with high loads and speeds, and to minimize power losses and temperature increases due to friction.

IP Mellana Oil have superior oxidation resistance and thermal stability properties that allow very long service life with minimal tendency to form deposits and sludge and with exceptional ability to counteract oil thickening during service.

IP Mellana Oil are at the highest levels among gear oils as to demulsibility and are therefore suitable for use in systems also subject to possible water pollution.

APPLICATIONS

IP Mellana Oil are suitable for the lubrication of all enclosed gears (straight cut gears, helical gears, worm gears, hypoid gears, etc.) lubricated in oil bath and circulation casings, especially when operating conditions are particularly severe due to high loads and / or shocks, strong sliding, high-speed and considerable temperatures. They are also suitable for the combined lubrication of systems which, in addition to gears, include both plain and rolling bearings, as well as sliding couplings.

SPECIFICATIONS

IP Mellana Oil meet the requirements of the following specifications:
- ISO L-CKC
- ISO 12925-1
- DIN 51517 part 3 CLP
- AISE (US STEEL) 224
- ANSI/AGMA 9005-E02

(AGMA NR2EP grad. 68, 3EP grad. 100, 4EP grad. 150, 5EP grad. 220, 6EP grad. 320, 7EP grad. 460, 8EP grad. 680)
- DAVID BROWN S1.53.101 (E)

The plant for the production and packaging of lubricants italiana petroli S.p.A. located in Savona, it operates with the Quality System compliant with the **UNI EN ISO 9001** standard.
The information contained in this Technical Data Sheet is compiled to the best of the supplier's knowledge at the date of the revision. They are purely informative and presuppose a correct technological use of the product. They do not undertake in any way the liability of the company for any damage resulting from incorrect use of the product. The user is obliged to evaluate and use the product described above, safely and in compliance with all laws and / or regulations in force.
This product must not be used in applications other than those indicated in this sheet.
Based on the information available, this product does not produce harmful effects on health if used for its intended use and following the information / recommendations described in the "Material Safety Data Sheet" available from our company. Commercial network.
Dispose of the used product and the empty packaging according to current legislation.