

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial name: INA Viskokril 100 NP
Supplier identification: INA MAZIVA Ltd
 Member of INA Group
Address: Croatia, 10000 Zagreb, Radnička cesta 175, p.p. 270
Tel. / fax. : +385 1 2412 208 / +385 1 2412 458
Emergency tel. number: 112
e-mail contact: biserka.sagovaclazar@ina.hr
Product use: Pour point depressant and index improver of lubricant oils.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Directive 1999/45/EC (DPD)

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

The product is not classified as dangerous according to Regulation (EC) No 1272/2008 (CLP/GHS).

2.2 Label elements

Labelling according to Directive 67/548/EEC or 1999/45/EC

Not required.

3. COMPOSITION / INFORMATION ON COMPONENTS

Chemical:

Preparation:

Chemical composition of mixture: Polymer dissolved in highly refined mineral oil.

Ingredients contributing to the hazard:

Name substance / impurity	Concentration % m/m	EC/ CAS	Classification 67/548 (EC)	Classification 1272/2008 (EC)	REACH reg. nr
Lubricating oils (petroleum) ♦	40,0 - 60,0	305-594-8/ 94733-15-0	-	-	01- 2119486987- 11
Lubricating oils (petroleum) ♦	<20,0	309-877-7/ 101316-72-7	-	-	01- 2119489969- 06

♦ PCA <3%, test method IP 346

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4. FIRST AID MEASURES

First aid measures to be taken:

- inhalation : Remove exposed person to fresh air, ask for medical help.
- skin contact : Wash thoroughly with soap and water.
- eye contact : Flush with water at least 15 minutes, ask for medical help.
- ingestion : Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.

Notes for first aiders / physician:

See chapter 2. and 3.

5. FIRE - FIGHTING MEASURES

Extinguishing media:

- suitable : Foam, dry chemical powder, carbon dioxide CO₂ (in closed area).
- not suitable : Water.

Fire - fighting measures for specific hazards:

None.

Specific methods of fire - fighting:

None.

Special equipment for the protection of firefighters:

Self-containing breathing apparatus, personal protective clothing and shoes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use suitable protective equipment.

Environmental precautions:

Prevent entry into sewers and waterways.

Methods for cleaning up and recovery:

Pick up with absorbent material (sand, sawdust, soil) or with proper equipment. Place spilled material in an appropriate container for disposal.

Editorial warning:

Remove inflammable source.

7. HANDLING AND STORAGE

Handling:

- precaution measures : Use suitable protective equipment. Ensure thorough ventilation of stores and work areas.
- safe handling advice : Remove inflammable source, avoid contact with strong oxidizing agents.

Storage:

Technical measures and storage conditions:

- suitable : Store in closed well-ventilated or roofed over warehouse.

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to be avoided : Keep away from direct sunlight or any source of ignition and strong oxidants.

Packaging materials:

recommended : Solid, impermeable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: See chapter 7.

Personal protective equipment:

hand protection : Use protective gloves EN 374.
eye protection : Use protective goggles where eye contact can accidentally occur EN 166.
skin and body protection : Use protective clothing and shoes.

Specific hygiene and caution measures: Do not drink, eat and smoke in the workplace, wash hands thoroughly after contact. Do not use contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>INA Viskokril 100 NP</i>	Method	
Physical state		liquid
Colour		Clear, yellow
Odour		characteristic
Density at 25 °C, g/cm³	ISO 3675	0,895
Solubility in water		insoluble
Solubility in petrol		soluble
Kin. viscosity at 100°C, mm²/s	ISO 3104	550,0
Pour Point Depression Property, °C 0,5 % of INA Viskokril 100 NP in SN 150 Base Oil* (*Base oil SN 150 with Pour Point of -10 °C)	ISO 3016	-31
Flash Point (COC), °C INA Viskokril 100 NP : Base Oil SN 150 = 1 : 3	ISO 2592	200

10. STABILITY AND REACTIVITY

Stability: Stable under normal working conditions.

Condition to avoid: Avoid high temperature and direct sunlight.

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Materials to avoid:	Avoid contact with water and strong oxidizing agents.
Hazardous decomposition products:	None, if applied according to instructions.

11. TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE

Inhalation:	At higher temperatures, i.e. when vapour concentration is high, weakness and headache might develop.
Skin:	In case of contact with skin, irritation is not expected, except in prolonged contact which might cause redness.
Eyes:	In case of contact with eyes only slight irritation is expected.
Ingestion:	In case small quantity is ingested, no harm is expected, but ingestion of large quantities could cause vomiting.

Dermal Toxicity	No data
Inhalation Toxicity	No data
Oral Toxicity	No data
Dermal Sensitization	No data
Inhalation Sensitization	No data

CHRONIC EXPOSURE

Chronic Toxicity	No data
Carcinogenicity	No data
Mutagenicity	No data
Reproductive Toxicity	No data
Teratogenicity	No data
Other	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY

Freshwater Fish Toxicity	No data
Freshwater Invertebrates Toxicity	No data
Algae Toxicity	No data
Saltwater Fish Toxicity	No data
Saltwater Invertebrates Toxicity	No data
Bacteria Toxicity	No data
Miscellaneous Toxicity	No data

ENVIRONMENTAL FATE

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Biodegradation	No data
Bioaccumulation	No data
Soil Mobility	No data
Additional information	It should not be released in soil, rivers, sea and sewage system.

13. DISPOSAL INFORMATION

Preferred disposal considerations:

- waste from residues : Waste must be disposed of in accordance with federal, state and local environmental control regulations.
- contaminated packaging : Packaging must be disposed of in accordance with federal, state and local environmental control regulations.

Local disposal regulations: Accordance with local regulations.

14. TRANSPORT INFORMATION

Not a dangerous good within the meaning of transportation regulations.

The following classification is valid exclusively for products shipping at elevated temperatures.

Overland transport ADR

UN 3257 ELEVATED TEMPERATURE LIQUID, N.O.S. (contains MINERAL OIL), 9, III, (D)
Hazard no. 99

Overland transport RID

UN 3257 ELEVATED TEMPERATURE LIQUID, N.O.S. (contains MINERAL OIL), 9, III
Hazard no. 99

Inland waterway transport ADN

UN 3257 ELEVATED TEMPERATURE LIQUID, N.O.S. (contains MINERAL OIL), 9, III

Shipment by sea IMDG

UN number 3257

Class 9

EmS F-A, S-P

Marine pollutant No

Packaging group III

Proper Shipping Name ELEVATED TEMPERATURE LIQUID, N.O.S. (contains MINERAL OIL)

Hazardous constituent MINERAL OIL

Air transport ICAO/IATA

UN number 3257

Class 9

Special precautions for users

Packaging group III

Proper Shipping Name ELEVATED TEMPERATURE LIQUID, N.O.S.

 <p>INA[®] MAZIVA d.o.o. ČLAN INA GRUPE</p>	<p>SAFETY DATA SHEET</p> <p>INA VISKOKRIL 100 NP</p>	Edition :	1 / 10.2014.
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15. REGULATORY INFORMATION

Applicable regulations:	EU Regulation (EC) No. 1907/2006 (REACH)
Annex XIV - List of substances subject to authorisation	
Substances of very high concern	None of the components are listed.

16. OTHER INFORMATION

These safety-technical data refer to this product only and to the usual hazards known to the producer on this very date.