

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Commercial name:** **INA Gorgonela S 30**  
**INA Gorgonela S 40**  
**INA Gorgonela S 50**  
**INA Gorgonela S 60**

**Supplier identification:** INA MAZIVA Ltd  
Member of INA Group

**Address:** Croatia, 10000 Zagreb, Radnička cesta 175

**Tel. / fax. :** +385 1 2412 352 / +385 1 2412 458

**Emergency tel. number:** 112

**Product use:** Engine oils intended for lubrication of medium and high—speed diesel engines including main and auxillary marine engines using distillate diesel fuels.

**e-mail contact:** [biserka.sagovaclazar@ina.hr](mailto:biserka.sagovaclazar@ina.hr)

## 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:

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) ♦	35,0 – 95,0	309-877-7/ 101316-72-7	-	-	01- 2119489969 -06-xxxx
Lubricating oils (petroleum) ♦	5,0-75,0	309-874-0/ 101316-69-2	-	-	01- 2119486948 -13-xxxx
Zinc dialkyl dithiophosphate	<0,8	272-028-3/ 68649-42-3	Xi, N R: 38, 41, 51/53	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	01- 2119493635 -2 7-xxxx
Calcium branched chain alkyl phenate sulfide	<1,3	291-829-9/ 90480-91-4	R 53	Aquatic Chronic 4/H413	01- 2119524004 -5 6-xxxx
Salts of alkyl hydroxybenzoic acids	<0,5	-	Xi/R38, Xi/R43, R53	Aquatic Chronic 4/H413; Skin Sens. 1/H317	-
Benzoic acid, hydroxy-, mono-C20-28-branched alkyl derivs., calcium salts (2:1)	<0,2	Polymer	Xi/R38, Xi/R43, R53	Aquatic Chronic 4/H413; Skin Sens. 1/H317	-
Branched alkylphenol and Calcium branched alkylphenol	<0,2	Polymer	Xi/R36/38, T/Repro. Cat. 2/R60, N/R50/53	Aquatic Chronic 1/H410; Eye Irrit. 2/H319; Repr. 1B/H360; Skin Irrit. 2/H315	-

♦ PCA <3%, test method IP 346

#### 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.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training.

## 5. FIRE - FIGHTING MEASURES

### Extinguishing media:

suitable	: Foam, dry chemical powder, carbon dioxide CO <sub>2</sub> (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.

### Special precautions for firefighters:

No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Use suitable protective equipment.

### Environmental precautions:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 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.

### Additional warning:

Remove inflammable source.

## 7. HANDLING AND STORAGE

### Handling:

precaution measures	: Use suitable protective equipment (see chapter 8).
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safe handling advice : Ensure thorough ventilation of stores and work areas.  
: 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.  
to be avoided : Keep away from direct sunlight or any source of ignition and strong oxidants.

**Packaging materials:**

recommended : Original packaging (containers).

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures to reduce exposure:**

Use with adequate ventilation. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment:**

respiratory protection : Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure.  
In case of insufficient ventilation, wear suitable respiratory 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**

INA Gorgonela S	Method	
Physical state		liquid
Colour		Yellow - brown
Odour		characteristic
Flash point °C, min.	ISO 2592	230

<b>Solubility in water</b>		insoluble
<b>Solubility in petrol</b>		soluble
<b>Pour point °C</b>	ISO 3016	INA Gorgonela S 30= -27 INA Gorgonela S 40= -24 INA Gorgonela S 50= -21 INA Gorgonela S 60= -18
<b>Kin. viscosity at 100°C, mm<sup>2</sup>/s (typically)</b>	ISO 3104	INA Gorgonela S 30= 11,0 – 12,4 INA Gorgonela S 40= 13,7 – 15,5 INA Gorgonela S 50= 17,0 – 20,0 INA Gorgonela S 60= 22,0 – 25,0
<b>Partition coefficient: n-octanol/water</b>		Not available.
<b>Upper/lower flammability or explosive limits</b>		Not available.
<b>Vapour pressure</b>		Not available.
<b>Vapour density</b>		Not available.
<b>Auto-ignition temperature</b>		Not available.
<b>Decomposition temperature</b>		Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal working conditions.
<b>Condition to avoid:</b>	Avoid high temperature and direct sunlight.
<b>Materials to avoid:</b>	Avoid contact with water and strong oxidizing agents.
<b>Hazardous decomposition products:</b>	Smoke, carbon monoxide, carbon dioxide and other products of incomplete combustion.
<b>Reasonably foreseeable misuse:</b>	For other applications without consulting the producer.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

LD50/oral/rat	No data
LD50/dermal/rabbit	No data

### POTENTIAL ACUTE HEALTH EFFECTS

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

#### POTENTIAL CHRONIC HEALTH EFFECTS

<b>General</b>	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	No known significant effects or critical hazards.
<b>Mutagenicity</b>	No known significant effects or critical hazards.

#### 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	No relevant data available.
<b>Persistence / degradability:</b>	No relevant data available.
<b>Bioaccumulative potential</b>	No relevant data available.
<b>Soil/water partition coefficient (KOC)</b>	No relevant data available.
<b>Mobility</b>	No relevant data available.
<b>Results of PBT and vPvB assessment</b>	No relevant data available.
<b>Other ecological information</b>	Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

#### 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

**Classification codes for transport:**

Not classified as hazardous for transport.

#### 15. REGULATORY INFORMATION

**Applicable regulations:**

REGULATION (EC) No 1907/2006 (REACH)

REGULATION (EC) No 1272/2008

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**Annex XIV - List of substances subject to authorisation  
Substances of very high concern**

None of the components are listed.

## 16. OTHER INFORMATION

### Full text of H statements

H315 - Causes skin irritation.

H317 - May cause allergic skin reaction

H318 - Causes serious eye irritation.

H319 - Causes serious eye irritation

H360 - May damage fertility or the unborn child

H410 - Very toxic to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effect

H413 - May cause long lasting harmful effects to aquatic life

### Full text of R phrases

R36 - Irritating to eyes.

R38 -- Irritating to skin.

R41 -- Risk of serious damage to eye.

R43 - May cause sensitization by skin contact.

R51/53 -- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 - May cause long-term adverse effects in the aquatic environment.

R60 - May impair fertility.

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