

Safety data sheet as per Commission Regulation (EU) 2020/878
Product: Additiv GO 100



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name Additiv GO 100
Chemical Name Industrial Gear oil additive

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Lubricant additive; Gear oils formulations
Uses identified against Food additive, medicinal products, cosmetic products

1.3 Details of the supplier of the safety data sheet:

Manufacturer Prasol Chemicals Limited
Prasol House, Plot No.A-17/2/3,
T.T.C. Industrial Area, Khairne M.I.D.C.,
Navi Mumbai - 400 710.
Maharashtra, India.
Telephone +91-22-69450600/ 61952500
Telefax +91-22-61952577
e-mail address sales@prasolchem.com; inquiry@prasolchem.com

1.4 Emergency telephone number

Telephone +91-22- 7045783555/ 7045790555
Language English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Component 1: Sulfurized olefins

Flammable liquids	Category 4	H227	Combustible liquid
Aquatic chronic toxicity	Category 4	H413	May cause long lasting effects to aquatic life

Component 2: Amine phosphate

Acute Toxicity	Category 4	H302	Harmful if swallowed
Aspiration Hazard	Category 1	H304	May be fatal if swallowed and enters airways
Acute Toxicity	Category 4	H312	Harmful in contact with skin
Skin Corrosion	Category 1C	H314	Causes severe skin burns and eye damage
Eye Damage	Category 1	H318	Causes serious eye damage
Specific Target Organ	Category 3	H335	May cause respiratory irritation
Toxicity, Single Exposure			
Specific Target Organ	Category 2	H373	May cause damage to organs through prolonged or repeated exposure (gastro-intestinal tract, liver, immune system)
Toxicity, Repeated Exposure			
Aquatic acute toxicity	Category 1	H400	Very toxic to aquatic life
Aquatic chronic toxicity	Category 1	H410	Very toxic to aquatic life with long lasting effects

Component 2: Mineral oil- This component is not classified

Information concerning particular hazards for human and environment: No further information

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 (CLP)

Hazard

pictograms



GHS05



GHS07



GHS08



GHS08

Signal word

Danger

Hazard statements

H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure (gastro-intestinal tract, liver, immune system)
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Precautionary statements

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General	P103	Read label before use.
	Prevention P210	Keep away from heat, hot surfaces, sparks, open flames or other ignition sources. No smoking.
Response	P260	Do not breathe dusts or mists.
	P264	Wash hands thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P280	Use protective gloves and eye protection.
	P301 + P312	IF SWALLOWED: Call a doctor if you feel unwell.
	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302+P352	IF ON SKIN: Wash with plenty of water.
	P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
	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
	P310	Immediately call a doctor.
	P312	Call a doctor if you feel unwell.
	P321	Specific treatment: wash with plenty of water and mild soap.
Storage	P330	Rinse mouth.
	P362+P364	Take off contaminated clothing and wash it before reuse.
	P363	Wash contaminated clothing before use.
	P370+P378	In case of fire: use carbon dioxide or dry foam to extinguish
	P403	Store in well-ventilated place.
Disposal	P405	Store locked up.
	P501	Dispose of contents and container in accordance with national regulations

2.3 Other hazards

Not a PBT, vPVB substance according to the criteria of REACH regulation

Not having endocrine disruptive properties as per criteria of Delegated Regulations (EC) 2017/2100 or (EC) 2018/605

SECTION 3: Composition/information on ingredients

3.1 Substances not applicable

3.2 Mixtures

Ingredient	CAS No.	EC No.	Classification	Concentration (%)
Sulfurized olefins	Confidential	Confidential	See Section 2	50-70
Amine phosphate	Confidential	Confidential	See Section 2	10-20
Mineral oil	Confidential	Confidential	See Section 2	15-25

There are no other ingredients present, which are classified as hazardous and hence require reporting in this section.

Additional information:

Molecular Formula not applicable (UVCB)

Molecular Weight not applicable (UVCB)

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Symptoms of poisoning may only appear several hours later. When symptoms persist or in all cases of doubt seek medical advice. Remove from exposure, lie down. Never give anything by mouth to an unconscious person.

After inhalation

If vapours are inhaled during processing, remove the patient to fresh air at once.

After skin contact

Take off all contaminated clothing immediately. If symptoms persist, call a physician. Wash off immediately with soap and plenty of water.

After eye contact

Rinse immediately with plenty of water and seek medical advice.

After swallowing

Do not induce vomiting and seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

Headache, dizziness, nausea, eye irritation

4.3 Indication of any immediate

Treat symptomatically and supportively



medical attention and special
treatment needed

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
Suitable extinguishing media CO₂, dry powder, foam
Unsuitable extinguishing media water jet
- 5.2 Special hazards arising from the substance or mixture**
 May form toxic sulfur dioxide and carbon oxides if burning.
 Closed container may rupture if strongly heated. Combustible liquid.
 Explosive mixtures may occur at temperatures at or above the flashpoint.
- 5.3 Advice for firefighters**
 Cool closed containers exposed to fire with water spray.
 Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
 Use personal protective equipment.
 Avoid breathing vapours, mist or gas during processing.
 Ensure adequate ventilation
- 6.2 Environmental precautions**
 Do not allow to enter sewers, surface or ground water.
- 6.3 Methods and material for containment and cleaning up**
 Soak up with inert absorbent material and dispose of as hazardous waste.
 Keep in suitable, closed containers for disposal.
 Suitable binder: sand
- 6.4 Reference to other sections**
 Section 8 for information on personal protection equipment.
 Section 13 for disposal information

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
 If possible, use material transfer, metering and blending plants that are closed.
 Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
- 7.2 Conditions for safe storage, including any incompatibilities**
Advice on protection against fire and explosion
 Follow normal measures for preventive fire protection.
- Storage**
 Combustible liquids. Store in a cool place.
 Keep container tightly closed in a dry and well-ventilated place.
 Mechanical exhaust required.
- Packaging**
 MS drums
- Incompatibility**
 None identified
- Advice on common storage**
 Observe prohibition against storing together!
- Storage stability**
 Maximum Storage Temperature: 45°C
- 7.3 Specific end use(s)**
 No further relevant information available

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters**
Occupational Exposure Limit Contains no substances with occupational exposure limit values.
- 8.2 Exposure controls**
Appropriate engineering controls
 If possible, use material transfer, metering and blending plants that are closed
- Personal protective equipment**
- Eye/ face protection**
 closed goggles, face shield
- Skin protection**

Type of material	Thickness	Breakthrough time
Butyl-rubber	0.5 mm	> 480 min
Polychloroprene (PCP)	0.5 mm	110 min
- Hand protection**
 Boots, body suit
- Body protection**
 Not required; except in case of aerosol formation. Avoid inhaling vapours.
- Respiratory protection**
 Combustible liquid, possibility of decomposition on excess heating
- Thermal hazards**
 Avoid contact with skin and eyes. Remove immediately all contaminated clothing. Keep working clothes separately. Smoking, eating and drinking should be prohibited in the application area.
- Industrial hygiene**



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Colorless to pale brown liquid
Odour	Mild petroleum odor
Odour threshold	no data available
pH	4.0-5.0 (1% solution)
Melting point	not determined (liquid at ambient temp)
Boiling point	not determined (decomposes before boiling)
Flash point	80°C typical (closed cup)
Evaporation rate	not determined
Flammability (solid, gas)	not applicable (product is a liquid)
Flammability limits	not determined
Vapour pressure	not determined
Vapour density	not determined
Relative density	1.0 -1.2 at 29.5°C
Solubility in water	insoluble
Partition coefficient	Not determined
Ignition temperature	Not determined
Decomposition temperature	no data available
Viscosity at 100 °C	4-10 cSt
Particle characteristics	Not applicable (substance is liquid)
9.2 Other information	no further information
Explosive properties	no explosive properties however containers may explode in fire
Oxidizing properties	no oxidizing properties

SECTION 10: Stability and reactivity

10.1 Reactivity	No hazardous reaction when handled and stored according to provisions.
10.2 Chemical stability	Under storage at normal temperatures, the product is stable.
10.3 Possibility of hazardous reactions	Spontaneous decomposition may start at 80°C.; After prolonged heating, slow decomposition may start at above 50°C.
10.4 Conditions to avoid	Extremes of temperature and direct sunlight.
10.5 Incompatible materials	Keep away from reducing agents, oxidising agents, acids and bases.
10.6 Hazardous decomposition products	formation of alkylmercaptans, dialkylsulphides, traces of hydrogen sulphide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Component 2 –Amine phosphate

LD50	oral	rat	500-5000 g/kg bw
LC0	inhalation	rat	>1300 mg/l
LD50	Dermal	rabbit	>2000 g/kg bw

Skin irritation

Corrosive

Serious eye irritation

Irritating

Respiratory or skin sensitization

not determined (material is highly corrosive); some components may produce an allergic reaction

Germ cell mutagenicity

No data available

Carcinogenicity

no data available

Reproductive toxicity

NOAEL >750 mg/kg/day (rat), (due to secondary effects)

STOT-single exposure

irritating to eye and skin

STOT-repeated exposure

No data available

Aspiration hazard

causes respiratory irritation, difficulty in breathing

11.2 Information on other hazards

Endocrine disrupting properties

No endocrine disrupting properties

Other information

No further information

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Component 2- Amine phosphate

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Toxicity to fish	LC50	96h	30mg/L	<i>Oncorhynchus mykiss</i>
Toxicity to aquatic invertebrates	LC50	48h	60.7 mg/L	<i>Daphnia magna</i>
Toxicity to aquatic algae and cyanobacteria	EC50	72h	>100 mg/L	<i>Desmodesmus subspicatus</i>
Toxicity to microorganisms	EC50	3h	>890mg/L	sewage, domestic
12.2 Persistence and degradability				
Biodegradation	No data available			
12.3 Bioaccumulative potential	No data available; however, the product contains components which may be persistent in the environment.			
12.4 Mobility in soil	No data available			
12.5 Results of PBT and vPvB assessment	Not a PBT, vPvB substance according to the REACH regulation			
12.6 Endocrine disrupting properties	No endocrine disrupting properties			
12.7 Other adverse effects	The material is highly acidic, adverse effects on environment can be caused due to increase in acidity			

SECTION 13: Disposal considerations

13.1 Waste treatment methods	Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose in sewage.
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SECTION 14: Transport information

	ADR/RID	IMDG	ICAO/IATA
14.1 UN Number	3082	3082	3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		
14.3 Transport hazard class	9	9	9
14.4 Packaging group	III	III	III
14.5 Environmental hazards	environmentally hazardous, marine pollutant		
14.6 Special precautions for the user	Combustible liquid; Flash point 80°C (closed cup) Environmentally hazardous substance. Marine pollutants. Irritating to the eyes. Keep dry. Keep separated from foodstuffs.		
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	See regulatory information for transport approval		

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
Major accident hazard	Seveso III no
International Chemical Inventory Status	
USA (TSCA)	listed
Canada (DSL)	listed
Australia (AICS)	listed
Japan (MITI)	listed
Korea (KECL)	listed
Philippines (PICCS)	listed
China	listed
New Zealand	listed
Taiwan	listed
15.2 Chemical safety assessment	A Chemical Safety Assessment will be carried out at the time of REACH registration

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Further information:

Sections in which changes have been made since the last version are marked with a diamond ♦ in the left hand margin.

Abbreviations and acronyms in English language:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AICS	Australian Inventory of Chemical Substances

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CAS	Chemical Abstracts Service (division of the American Chemical Society)
CLP	Classification for Labeling and Packaging
DSL	Domestic Substances List
EC	European Commission
EC50	Half maximal effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
IATA	International Air Transport Association
IBC	International Bulk Chemical
ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
KECL	Korea Existing Chemicals List
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
MARPOL	International Convention for the Prevention of Pollution from Ships
MITI	Ministry of International Trade and Industry
NOAEL	No Observed Adverse Effect Level
PBT	Persistent, bioaccumulative and toxic substances
PICCS	Philippine Inventory of Chemicals and Chemical Substances
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT	Specific target organ toxicity
TSCA	Toxic Substances Control Act
UN	United Nations
vPVB	(very) Persistent, (very) Bioaccumulative

Sources

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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----End of safety data sheet----