

Safety data sheet as per Commission Regulation (EU) 2020/878

Product: Additiv HP 0301



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

1.1 Product identifier

Trade name Additiv HP 0301
Chemical Name Hydraulic oil additive

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

Relevant identified uses Lubricant additive; Hydraulic 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 (Formerly known as Prasol Chemicals Private 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: Zinc dialkyl dithiophosphate (ZDDP)

Skin Irritation	Category 2	H315	Causes skin irritation
Eye Damage	Category 1	H318	Causes serious eye damage
Aquatic Chronic	Category 2	H411	Toxic to aquatic life with long lasting effects

Component 2

Aquatic Chronic	Category 3	H412	Harmful to aquatic life with long lasting effects
-----------------	------------	------	---

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



GHS09

Signal word Warning

Hazard statements	H315	Causes skin irritation
	H318	Causes serious eye damage
	H411	Toxic to aquatic life with long lasting effects

Precautionary statements

General	P103	Read label before use.
Prevention	P264	Wash hands thoroughly after handling.
	P273	Avoid release to the environment.
	P280	Use protective gloves and eye protection.
Response	P302+P352	IF ON SKIN: Wash with plenty of water.
	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.
	P321	Specific treatment: wash with plenty of water and mild soap.
	P332 + P313	If skin irritation occurs: Get medical attention.
	P362+P364	Take off contaminated clothing and wash it before reuse.
	P391	Collect spillage

Storage

Disposal	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

Safety data sheet as per Commission Regulation (EU) 2020/878

Product: Additiv HP 0301



◆ SECTION 3: Composition/information on ingredients

3.1 Substances not applicable

3.2 Mixtures

Ingredient	CAS No.	EC No.	Classification	Concentration (%)
Zinc dialkyl dithiophosphate (ZDDP)	Confidential	Confidential	See Section 2	40-60
Component 2	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 medical attention and special treatment needed

Treat symptomatically and supportively

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.

Safety data sheet as per Commission Regulation (EU) 2020/878

Product: Additiv HP 0301



	Packaging	Mechanical exhaust required.
	Incompatibility	MS drums
	Advice on common storage	None identified
	Storage stability	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
	Hand protection	Butyl-rubber 0.5 mm > 480 min
		Polychloroprene (PCP) 0.5 mm 110 min
	Body protection	Boots, body suit
	Respiratory protection	Not required; except in case of aerosol formation. Avoid inhaling vapours.
	Thermal hazards	Combustible liquid, possibility of decomposition on excess heating
	Industrial hygiene	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.

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	6.5 – 7.0 (1% solution)
	Melting point	not determined (liquid at ambient temp)
	Boiling point	not determined (decomposes before boiling)
	Flash point	100°C min (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 -1.1 at 15.6°C
	Solubility in water	insoluble
	Partition coefficient	Not determined
	Ignition temperature	Not determined
	Decomposition temperature	no data available
	Viscosity at 100°C	12-15 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 150°C.; After prolonged heating, slow decomposition may start at above 80°C.
10.4	Conditions to avoid	Extremes of temperature and direct sunlight.

Safety data sheet as per Commission Regulation (EU) 2020/878
Product: Additiv HP 0301



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 possible

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Component 1 - Zinc dialkyl dithiophosphate (ZDDP)

LD50	oral	rat	3.08 g/kg bw	Category 5
LC50	inhalation	rat	>2.3 mg/l	not classified
LD50	Dermal	rabbit	20 g/kg bw	not classified

Component 2

LD50	oral	rat	>5000 g/kg bw	not classified
LD50	Dermal	rat	>2000 g/kg bw	not classified

Skin irritation

Irritating Category 2; 24 h (rabbit)

Serious eye irritation

Irritating Category 2A; 24 h (rabbit)

Respiratory or skin sensitization

skin sensitizer

Germ cell mutagenicity

non mutagenic (Ames test)

Carcinogenicity

no data available

Reproductive toxicity

NOAEL 30 mg/kg/day (rat)

STOT-single exposure

irritating to eye and skin

STOT-repeated exposure

not classified as specific target organ toxicant

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 1 - Zinc dialkyl dithiophosphate (ZDDP)

Toxicity to fish	LC50	96h	4.5mg/L	<i>Oncorhynchus mykiss</i>
Toxicity to aquatic invertebrates	LC50	48h	5.4 mg/L	<i>Daphnia magna</i>
Toxicity to aquatic algae and cyanobacteria	EC50	72h	2.0 mg/L	<i>Selenastrum capricornutum</i>
Toxicity to microorganisms	EC50	3h	>10,000mg	sewage, domestic

Component 2

Toxicity to fish	LC50	96h	>100mg/L	<i>Brachydanio rerio</i>
Toxicity to aquatic invertebrates	LC50	48h	51 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	>100mg	sewage, domestic

12.2 Persistence and degradability

Biodegradation

not readily biodegradable

12.3 Bioaccumulative potential

The product contains components which can lead to bioaccumulation

12.4 Mobility in soil

The substance will not evaporate into the atmosphere from water surface. Adsorption to soil is expected.

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

Harmful to aquatic organisms. Harmful to the environment

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.

Safety data sheet as per Commission Regulation (EU) 2020/878

Product: Additiv HP 0301



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. (MIXTURE, CONTAINS ZINC DIALKYL DITHIOPHOSPHATE)		
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 100°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
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
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

Reissue date 01.01.2026

Version: 01

Page 5 of 6

Supersedes document dated: 01.03.2022

Safety data sheet as per Commission Regulation (EU) 2020/878
Product: Additiv HP 0301



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) Information herein is given in good faith. Prasol Chemicals Limited makes no representations or warranties as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving the same will make their own determination as to its suitability for their purpose prior to use. Prasol Chemicals Limited shall not be responsible for damages of any nature whatsoever resulting from the use or reliance upon this information. The data provided are based on samples tested and are not guaranteed for all samples or applications. Such data are intended as guides only. No representations or warranties for a particular purpose or any other nature are made with respect to this information or the product.

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