

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

Product: Additiv 2211



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name Additiv 2211

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

Relevant identified uses Heavy duty alkaline cleaning products, Laundry Detergents, Textile auxiliaries, Acid cleaners, Metal working fluids, Emulsifiers, Wetters, Dispersants, Water based lubricants
Intermediate for the synthesis of other anionic surfactants

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. Indl. 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)

Acute Toxicity - Oral Category 5 H303 May be harmful if swallowed
Skin Corrosion Category 1B H314 Causes severe skin burns and eye damage

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

Signal word Danger

Hazard statements H303 May be harmful if swallowed
H314 Causes severe skin burns and eye damage

Precautionary statements

General P103 Read label before use.
Prevention P260 Do not breathe dusts or mists.
P264 Wash hands thoroughly after handling.
P280 Use protective gloves and eye protection.
Response P301+P317 IF SWALLOWED: Get medical help.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P316 Get emergency medical help immediately.
P321 Specific treatment: wash with plenty of water and mild soap.
P363 Wash contaminated clothing before use.
Storage P405 Store locked up.
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 Annex XIII to REACH regulation

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

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SECTION 3: Composition/information on ingredients

3.1 Substances not applicable

3.2 Mixtures

Name	Additiv 2211		
CAS Number	proprietary		
EC Number	proprietary		
Ingredient	CAS No.	Classification	Concentration (%)
Phosphate ester	Confidential	Acute Tox. Oral 5, Skin Corr.1B H303, H314	50-70
Component A	Confidential	Acute Tox. Oral 4; H302	30-50

Additional information:

Molecular Formula not applicable (multicomponent)

Molecular Weight not applicable (multicomponent)

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

None of the ingredients present are classified as skin sensitisers 1A, respiratory sensitisers 1A, aspiration hazards and endocrine disruptors.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information	Show this safety data sheet to the doctor in attendance. First aider needs to protect himself. Place affected clothing in a sealed bag for subsequent decontamination
After inhalation	Move to fresh air. Keep at rest. Consult a physician..
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	No data available
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	CO ₂ , dry powder, foam , sand, water spray
Unsuitable extinguishing media	water jet
5.2 Special hazards arising from the substance or mixture	Highly irritating vapours are released. Hazardous decomposition products formed under fire conditions: Carbon oxides. Oxides of phosphorus.
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.
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	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	German storage class: 10 - Combustible liquids Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Mechanical exhaust required.
Packaging material	Stainless steel, Plastic drum
Incompatibility	Carbon steel
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
Hand protection	Butyl-rubber 0.5 mm > 480 min
	Polychloroprene (PCP) 0.5 mm 110 min
Body protection	Boots, body suit
Respiratory protection	If mist is formed: self-contained breathing apparatus; 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	Yellow to brown liquid
Odour	odourless
Odour threshold	no data available
pH	highly acidic
Melting point	-50°C
Boiling point	not determined (decomposes before boiling)
Flash point	180°C (open cup)
Flammability (solid, gas)	not applicable (product is a liquid)
Flammability limits	no data available
Vapour pressure	2.4x10 ⁻⁵ Pa at 25°C (by QSAR)
Vapour density	not determined
Relative density	1.00 -1.10 at 15.6°C
Solubility in water	0.182g/L at 20°C, moderately soluble
Partition coefficient	6.07 log Pow (n-octanol/water) at 20°C (QSAR)
Ignition temperature	255°C
Decomposition temperature	240°C
Viscosity at 40 °C	60-110 cSt
Particle characteristics	Not applicable (substance is a liquid)
9.2 Other information	no further information
Evaporation rate	no data available
Explosive properties	no explosive properties
Oxidizing properties	no oxidizing properties

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No hazardous reaction when handled and stored according to provisions.
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10.2 Chemical stability	Under storage at normal ambient temperatures (-40°C to +45°C), 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.
10.5 Incompatible materials	strong acids; bases, oxidizing materials
10.6 Hazardous decomposition products	on combustion or on thermal decomposition (pyrolysis) releases : toxic and corrosive vapours/ flammable vapours which may generate fire or explosion hazards : alcohols, carbon oxides (CO + CO ₂), oxides of Phosphorus.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (read across from structurally similar substance)

LD50 oral rat 2500 mg/kg bw **Cat 5, H303** (May be harmful if swallowed)

LD50 inhalation Corrosive, hence no study conducted

LD50 Dermal Corrosive, hence no study conducted

Skin irritation corrosive (rabbit) **Cat 1B, H314** (exposure of ≥3 minutes to ≤1 hour to cause corrosive effects)

Serious eye irritation Irritating (rabbit) **Cat 1B, H314**

Respiratory or skin sensitization not determined (material is highly corrosive)

Germ cell mutagenicity non mutagenic (Ames test)

Carcinogenicity not carcinogenic

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, low potential for systemic toxicity since severe irritancy / corrosivity will limit exposure in the workplace

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

Toxicity to fish LC50 96h 30mg/L *Oncorhynchus mykiss*

Toxicity to aquatic invertebrates LC50 48h 60.7 mg/L *Daphnia magna*

Toxicity to aquatic algae and cyanobacteria EC50 72h >100 mg/L *Desmodesmus subspicatus*

Toxicity to microorganisms EC50 3h >890mg/L sewage, domestic

12.2 Persistence and degradability

Biodegradation readily biodegradable (82% in 28days)

12.3 Bioaccumulative potential

Bioaccumulation factor (BCF) 1.1-2.4

no indication for bioaccumulation

12.4 Mobility in soil

log Kow = 2.88

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

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

Product disposal Observe all national, state and local environmental regulations. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Packaging disposal Clean container with water. Recover waste water for processing later. Destroy packaging by incineration at an approved waste disposal site.

Sewage disposal Do not dispose in sewage.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG	ICAO/IATA
14.1 UN Number	3265	3265	3265

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14.2	UN proper shipping name	Corrosive liquid, acidic, organic, n.o.s.
14.3	Transport hazard class	8 8 8
14.4	Packaging group	III III III
14.5	Environmental hazards	not environmentally hazardous
14.6	Special precautions for the user	Highly acidic, corrosive
	EmS Number	F-A, S-B
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

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

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
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
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
KOC	Soil adsorption coefficient
KOW	Partition Coefficient octanol-water
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
NOAEC	No Observed Adverse Effect Concentration
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

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STOT	Specific target organ toxicity
TSCA	Toxic Substances Control Act
UN	United Nations
vPVB	(very) Persistent, (very) Bioaccumulative

Key literature references and sources for data

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH))

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