



Version: 1

Language: EN

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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

HASTEN™

Trade name:	HASTEN™
Product name:	HASTEN NNP
CAS number:	-
EC number:	-
REACH registration number:	The registration number is not available, since the substance or its use is exempted from registration according to article 2 of the REACH regulation (EC) No. 1907/2006, the yearly tonnage does not require a registration or the registration is foreseen at a later date.

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

Identified uses of the substance or mixture: Additive for plant protection products

Not recommended uses of the substance or mixture: Other uses than the uses indicated above.

1.3 Details of the supplier of the safety data sheet

Producer

Victorian Chemical Co. PTY. LTD
83 Maffra Street
Coolaroo, Victoria 3048
Australia

Telephone: +61-(0) 3-9301 7000
Fax: +61-(0) 3-9309 7966
E-mail: cronfeld-baur@vicchem.com
(Only Representative in Germany)

1.4 Emergency telephone number

GIZ Nord, Göttingen, Germany

Telephone: +49-(0) 551 19 240

2. Hazards identification

2.1 Classification of the substance or mixture

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

Eye Irrit. 2; H319
Skin Irrit. 2; H315

2.1.2 Classification according to Directive 67/548/EEC or 1999/45/EC

Xi; R36, R38

2.2 Labelling

2.2.1 According to Regulation (EC) No. 1272/2008

Hazard pictograms:**Signal word:** Warning**H-Phrases:** H315

Causes skin irritation.

H319

Causes serious eye irritation.

P-Phrases: P264

Wash hands thoroughly after handling.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P321

Specific treatment (see on this label).

P362

Take off contaminated clothing and wash before reuse.

P302+P352

IF ON SKIN: Wash with plenty of soap and water.

P332+P313

If skin irritation occurs: Get medical advice/attention.

P337+P313

If eye irritation persists: Get medical advice/attention.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

2.2.2 According to Directive 1999/45/EC

Hazard pictograms:**R-Phrases:** R36

Irritating to eyes.

R38

Irritating to skin.

S- Phrases: S24

Avoid contact with eyes.

S25

Avoid contact with skin.

2.3 Other hazards

Irritating to eyes and skin.

3. Composition/information on ingredients

3.1 Mixture

Substance name	CAS-No	Concentration (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)	Classification according to Directive 67/548/EEC or 1999/45/EC
Rapeseed oil ethyl- and methylester	-	> 60	not classified	not classified
Non ionic surfactants	-	< 40	Eye Irrit. 2; H319 Skin Irrit. 2; H315	Xi; R36, R38

Chemical description: Emulsion concentrate containing rapeseed oil ethyl- and methyl ester and non-ionic surfactants as additives for plant protection products.

4. First aid measures

4.1 Description of first aid measures

General information:	In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).
Following inhalation:	Provide fresh air. Seek medical attention if problems persist.
After skin contact:	After contact with skin, wash immediately with plenty of water and soap for at least 15 minutes. Change contaminated clothing. Wash contaminated clothing prior to re-use. Seek medical attention if problems persist.
Following eye contact:	If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 15 minutes. Subsequently consult an ophthalmologist.
After ingestion:	If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be swallowed in little sips (dilution effect). Do not induce vomiting. Seek medical attention if problems persist.
Self-protection:	First aid assistant: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Nausea, vomit, diarrhea

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: First Aid, decontamination, treatment of symptoms.

5. Fire fighting measures

5.1 Extinguishing media

Suitable: Foam, carbon dioxide (CO₂), dry extinguishing powder, water spray
Unsuitable: High power water jet.

5.2 Special hazards arising from the substance or mixture

The product is combustible. Can be released in case of fire: carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for fire fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Keep away from unprotected people. Keep upwind. In case of fire and/or explosion do not breathe fumes.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate leaks immediately. High slip hazard because of leaking or spilled product. Avoid contact with skin, eye and clothing. Wear personal protection equipment.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil. Dumping into the environment must be prevented.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, universal binding agents). Remove mechanically, placing in appropriate containers for disposal. Waste disposal according to official state regulations. Rinse down with water.

6.4 References to other sections

Refer to section 13 for disposal considerations. Refer to section 8 for personal protection equipment.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

Avoid contact with skin, eye and clothing. Wear personal protection equipment. Wash hands before breaks and at the end of work.

Technical measures

Provide adequate ventilation. Provide sufficient washing facilities and eye showers.

Precautions against fire and explosion

The product is combustible. Keep away from sources of ignition - No smoking. Refer to section 5.

Additional information

General protection and hygiene measures: Do not eat, drink, smoke or sneeze at the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and in a well-ventilated place. Protect from direct sunlight.

Storage temperature: 5-40°C

Storage duration: 24 months

Packaging materials

Keep/Store only in original container.

Requirements for store rooms and containers

Keep the packing dry and well sealed to prevent contamination and absorption of dampness. Keep container tightly closed.

Information about storing together in storage facility

Keep away from strong oxidizing agents and other flammable / combustible materials. Keep away from food, drink and animal feeding stuffs.

Storage class: 10 – combustible liquids (self-assessment)

7.3 Specific end use(s)

Refer to section 1.2

8. Exposure controls / personal protection

8.1 Control parameters

8.1.1 Limits for occupational exposure

none

8.1.2 DNEL and PNEC values

DNEL-values:

none

PNEC- values:

none

8.2 Exposure controls

Occupational exposure controls

Provide for sufficient ventilation and punctiform suction at critical points. General protection and hygiene measures: Do not eat, drink, smoke or sneeze at the workplace. Used working clothes should not be used outside the work area.

Chemical handling

Avoid contact with skin, eye and clothing. Do not breathe gas/fumes/vapour/spray. Wash hands before breaks and at the end of work.

Personal protection equipment

Wear personal protection equipment. Only wear fitting, comfortable and clean protective clothing. Change contaminated clothing. Wash contaminated clothing prior to re-use.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

Hand protection

When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Suitable material: PVC (Polyvinyl chloride), Neoprene

Before using check leak tightness / impermeability.

Eye protection

Tightly sealed safety glasses, goggles

Skin protection

Lab apron, chemical resistant safety shoes, tested protective gloves

Environmental exposure controls

Dumping into the environment must be prevented.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
State of matter:	liquid
Colour:	yellow, clear
Odour	slightly fatty
Odour threshold	< 1 ppm

Safety relevant basis data

Parameter	Value	Unit	Remark
Density:	0.900	g/cm ³	20°C
Package density:			not applicable
pH:	7		
Melting point / range:	< 0	°C	
Boiling temperature / range:	> 150	°C	
Flash point:	> 150	°C	
Flammability:			combustible
Lower flammability limit:			no data available
Upper flammability limit:			no data available
Explosion hazard:			none
Lower explosion limit:			no data available
Upper explosion limit:			no data available
Ignition temperature:	> 300	°C	
Decomposition temperature:	> 300	°C	thermal decomposition
Oxidizing characteristics:			not oxidising
Vapour pressure:	< 1	hPa	20°C
Speed of vaporization/evaporation rate:			not relevant
Solubility in water:			emulsion
Solubility in other solvents:			soluble in hydrocarbons and oils
log P O/W (-octanol / water):			no data available
Viscosity:	10	mPas	

9.2 Other information

Corrosion towards metals:	not corrosive
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10. Stability and reactivity

10.1 Reactivity

The product is stable at standard conditions (temperature, pressure) during storage and handling.

10.2 Chemical stability

The product is stable at standard conditions (temperature, pressure) during storage and handling.

10.3 Possibility of hazardous reactions

None when handling and storing normally.

10.4 Conditions to avoid

Protect from direct sunlight.

10.5 Incompatible materials

strong oxidising agents

10.6 Hazardous decomposition products

None when handling and storing normally. Can be released in case of fire: carbon monoxide (CO), carbon dioxide (CO₂)

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity, oral, rat	LD50: > 5000 mg/kg
Acute toxicity, inhalative, rat	LC50: > 2 mg/l
Acute toxicity, dermal, rat	LD50: > 5000 mg/kg

11.2 Irritation and etching

Irritant effect on the skin	irritating
Irritant effect on the eye	irritating
Irritant effect on the respiratory tract	not irritating
Etching	not etching

11.3 Sensitization

no danger of sensitization

11.4 Repeated dose toxicity

Prolonged/repetitive skin contact may cause skin defatting.

11.5 CMR effects

Carcinogenicity	No indications of human carcinogenicity exist.
Mutagenicity	No indications of human germ cell mutagenicity exist.
Reproductive toxicity	No indications of human reproductive toxicity exist.

11.6 General remarks

If used correctly no adverse health effects are expected or have been reported. Handle in accordance with good industrial hygiene practices.

12. Ecological information

12.1 Toxicity

Eco toxicity

Acute fish toxicity (<i>Oncorhynchus mykiss</i>)	LC50: 95 mg/l (96h)
Acute daphnia toxicity (<i>Daphnia magna</i>)	EC50: > 100 mg/l (48h)

12.2 Persistence and degradability

Easily biodegradable.

12.3 Bioaccumulative potential

No indication of bio-accumulation potential.

12.4 Mobility

The product is emulsifiable in water. No information available in regard to mobility in soil.

12.5 Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB (expected).

13. Disposal considerations

13.1 Waste treatment methods

Appropriate disposal/Product

Waste disposal according to official state regulations. Carry out a burning of hazardous waste according to official regulations. Hand over to officially registered waste disposal company. Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment. Retain contaminated washing water and dispose. Dumping into the environment must be prevented.

Appropriate disposal/Packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning. Packing which cannot be properly cleaned must be thrown away. Cleaned containers may be recycled.

14. Transport information

Not a hazardous material with respect to these transportation regulations: ARD/RID, IMDG-Code / ICAO-TI / IATA-DGR

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

EU-Regulation (EC) No 1907/2006 (REACH)

EU-Regulation (EC) No 1272/2008 (CLP)

EU-Directive 67/548/EEC and 1999/45/EC

National regulations

National legislation has to be observed!

Information on working limitations

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Youths are only allowed to handle this product according to the regulation 94/33/EC, and as long as all effects of dangerous substances are prevented. Observe regulation 98/24/EC for employee health protection against the threat of chemical substances in the workplace.

Storage class according to VCI (DE)

10 Combustible liquids (self-assessment)

Water Hazard Class according to VwVwS (DE)

2 water pollutant (WGK 2)

15.2 Chemical safety assessment

For this substance no chemical safety assessment has been carried out.

16. Other information

16.1 Wording of the H and R-phrases under section 2 and 3

Regulation (EC) No 1272/2008 (CLP)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P321 Specific treatment (see on this label).

P362 Take off contaminated clothing and wash before reuse.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Directive 67/548/EEC and 1999/45/EC

R36 Irritating to eyes.

R38 Irritating to skin.

S24 Avoid contact with eyes.

S25 Avoid contact with skin.

16.2 Training instructions

Please observe the information on the safety data sheet at all times. Recommendation: The product should only be handled by persons, who were informed sufficiently about the dangerous nature or the product and about the necessary safety precautions.

16.3 Further remarks

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

16.4 Documentation of changes

none

16.5 Data sources

Data arise from reference works and literature.

16.6 Key and definition

none