

MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

HRP-Juice 10314/HRP-Juice PLUS 10315

Name	Description	Amount	Symbol
HRP-Juice	Component A	1	Xi
HRP-Juice	Component B	1	Xi;Xn

PJK GmbH

Elsaesserstr. 51 - 66271 Kleinblittersdorf - Germany

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier:

Trade name: HRP-Juice Component A

Article number: 10314/10315

Application of the substance / the preparation

Laboratory Chemicals

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

PJK GmbH

Elseasser Strasse 51

66271 Kleinblittersdorf

Germany

Phone: +49 (0)6805 91 20 22

Fax: +49 (0)6805 91 20 24

info@pjk-gmbh.com

Further information obtainable from: Department Health, Safety and Environment

Emergency telephone number: Poison Centre Munich Telefon

+49/(0)89 19240

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

Xi Irritant

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Irritating to eyes, respiratory system and skin.

Label elements

Pictogram



Signal word

Warning

Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

Hazard symbol(s)

Xi Irritant

R-phrases(s)

R36/37/38 Irritating to eyes, respiratory system and skin.

S-phrases(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37 Wear suitable protective clothing and gloves.

Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions

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TRADE NAME: HRP-JUICE COMPONENT A

Dangerous components:

CAS	Substance	Conc.
521-31-3	3-Aminophthalhydrazide 5-Amino-2,3-dihydro-1,4-phthalazinedione Classification: Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335 Xi, R36/37/38	<1,0%
	Enhancer and stabilizers Classification: Unknown	<0,5%
	Buffer inorganic Classification: Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335 Xi, R36/37/38	<5,0%

4. FIRST AID MEASURES

Description of first aid measures

After inhalation: Supply fresh air.

After skin contact: Flood the area with water and wash with and running water. Wash contaminated clothing before reuse. Then consult a doctor.

After eye contact: Rinse opened eye for 10 minutes under running water. Then consult a doctor.

After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

5. FIREFIGHTING MEASURES

The aqueous solution is nonflammable. The dried material can burn to give oxides of carbon and nitrogen, as well as, hydrogen chloride. Phosphorous oxides and/or phosphines can also result. A self-contained breathing apparatus should be worn by fire fighting personnel.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with the eyes. Wear protective clothing

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid binding material

7 HANDLING AND STORAGE

Handling:

Impervious gloves, safety glasses or goggles and a laboratory coat are recommended as protective equipment during any handling operation. Access to an eyewash station and safety shower should also be secured before working with this material.

Storage:

Keep container tightly closed. Store solution away from heat or light. The shelf life of this solution is approximately one year when stored in the dark at 2 to 8°C, Store away from acid, combustible materials and strong oxidizing or reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

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TRADE NAME: HRP-JUICE COMPONENT A

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

*Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.*

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile, thickness >0,3 mm.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies

from manufacturer to manufacturer.

Penetration time of glove material

Value for the permeation: Level ≥ 6

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection: *Protective work clothing*

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Appearance:

Form: *Fluid*

Colour: *Colorless*

Odour: *Charakteristic*

Odour threshold: *Not determined.*

pH-value at 23°C: *alkaline*

Change in condition

Melting point/Melting range: *0°C*

Boiling point/Boiling range: *100°C*

Flash point: *Not applicable*

Flammability (solid, gaseous): *Not applicable*

Ignition temperature: *Not determined*

Decomposition temperature: *Not determined*

Self-igniting: *Product is not selfigniting.*

Danger of explosion: *Product does not present an explosion hazard.*

Explosion limits:

Lower: *Not determined.*

Upper: *Not determined.*

Vapour pressure at 20°C: *Not determined*

Density at 20°C: *Not determined*

Bulk density at 20°C: *Not determined*

Relative density *Not determined.*

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TRADE NAME: HRP-JUICE COMPONENT A

Vapour density Not determined

Evaporation rate Not determined

Solubility in / Miscibility with water at 20°C: Not miscible or difficult to mix

Segregation coefficient (n-octanol/water): Not determined

Viscosity:

Dynamic: Not determined

Kinematic: Not determined

Other information No further relevant information available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

no data available

Materials to avoid

Strong oxidizing agents, Strong acids, Strong bases, Strong reducing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO_x)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

Toxicity

no data available

Persistence and degradability

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TRADE NAME: HRP-JUICE COMPONENT A

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. Disposal considerations

Product

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.

Contaminated packaging

Dispose of as unused product

14. Transport information

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. PJK shall not be held liable for any damage resulting from handling or from contact with the above product.

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1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier:

Trade name: HRP-Juice Component B

Article number:

Application of the substance / the preparation

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

PJK GmbH

Elsässer Strasse 51

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Further information obtainable from: Department Health, Safety and Environment

Emergency telephone number: Poison Centre Munich Telefon

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

Xn; Harmful

R22: Harmful if swallowed.

Xi; Irritant

R41: Risk of serious damage to eyes.

Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

Acute Tox. 4 H302 Harmful if swallowed.

Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

H302 Harmful if swallowed.

H318 Causes serious eye damage.

Precautionary statement(s)

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

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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 POISON CENTER or doctor/physician.

Hazard symbol(s)

R-phrases(s)

R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

S-phrases(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

Other hazards – none

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions

Dangerous components:

CAS	Substance	Conc.
7722-84-1	Hydrogen peroxide Classification: Ox. Liq. 1; Acute Tox. 4; Skin Corr. 1A; H271, H302, H314, H332; O, C, R 5 - R 8 - R20/22 - R35	<1,0%
	Buffer inorganic Classification: Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H315, H319, H335 Xi, R36/37/38	<5,0%

4. FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

The aqueous solution is nonflammable. The dried material can burn to give oxides of carbon and nitrogen, as well as, hydrogen chloride. Phosphorous oxides and/or phosphines can also result. A self-contained breathing apparatus should be worn by fire fighting personnel.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with the eyes. Wear protective clothing

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid binding material

7 HANDLING AND STORAGE

Handling:

Impervious gloves, safety glasses or goggles and a laboratory coat are recommended as protective equipment during any handling operation. Access to an eyewash station and safety shower should also be secured before working with this material.

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TRADE NAME: HRP-JUICE COMPONENT B

Storage:

Keep container tightly closed. Store solution away from heat or light. The shelf life of this solution is approximately one year when stored in the dark at 2 to 8°C, Store away from acid, combustible materials and strong oxidizing or reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile, thickness >0,3 mm.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies

from manufacturer to manufacturer.

Penetration time of glove material

Value for the permeation: Level ≥ 6

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection: Protective work clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid

Colour: Colorless

Odour: Characteristic

Odour threshold: Not determined.

pH-value at 23°C: alkaline

Change in condition

Melting point/Melting range: 0°C

Boiling point/Boiling range: 100°C

Flash point: Not applicable

Flammability (solid, gaseous): Not applicable

Ignition temperature: Not determined

Decomposition temperature: Not determined

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Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapour pressure at 20°C: Not determined

Density at 20°C: Not determinind

Bulk density at 20°C: Not determinind

Relative density Not determined.

Vapour density Not determined

Evaporation rate Not determined

Solubility in / Miscibility with water at 20°C: Not miscible or difficult to mix

Segregation coefficient (n-octanol/water): Not determined

Viscosity:

Dynamic: Not determined

Kinematic: Not determined

Other information No further relevant information available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

no data available

Materials to avoid

Strong oxidizing agents, Strong acids, Strong bases, Strong reducing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion May be harmful if swallowed.

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TRADE NAME: HRP-JUICE COMPONENT B

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

Harmful to aquatic life.

13. Disposal considerations

Product

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.

Contaminated packaging

Dispose of as unused product

14. Transport information

UN number

ADR/RID: 2014 IMDG: 2014 IATA: 2014

UN proper shipping name

ADR/RID: HYDROGEN PEROXIDE, AQUEOUS SOLUTION

IMDG: HYDROGEN PEROXIDE, AQUEOUS SOLUTION

IATA: Hydrogen peroxide, aqueous solution

Transport hazard class(es)

ADR/RID: 5.1 (8) IMDG: 5.1 (8) IATA: 5.1 (8)

Packaging group

ADR/RID: II IMDG: II IATA: II

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Special precautions for user

no data available

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. PJK shall not be held liable for any damage resulting from handling or from contact with the above product.

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