

MATERIAL SAFETY DATA SHEET

Code Hypros HYP-R2S
Issued: March 07, 2013
Revised: July 26, 2013

1. Chemical Product and Company Identification

Chemical product name HYPROS HYP-R2S
Supplier KYOKUTO BOEKI KAISHA, LTD.
Address 2-1, Otemachi 2-Chmome, Chiyoda-ku,
Tokyo 100-0004 Japan
Telephone number 0800-222-0707
Fax number 03-3246-2159

2. Hazard Identification

GHS Classification

Physical hazards	Substances and mixtures which, in contact with water, emit flammable gases	Not classified
Health hazards	Acute toxicity (Oral)	Not classified
	Skin corrosion / irritation	Category 1
	Eye damage / irritation	Category 1
	Specific target organ toxicity (single exposure) (respiratory irritation)	Category 3

Label elements

Pictogram



Single word

Danger

Hazard statements

Cause severe skin burns and eye damage.
Cause serious eye damage.
May cause respiratory irritation.

Precautionary statements

Do not use it besides the use settled.
When in use, use protective mask, goggle and gloves.
When it adheres to other places, absorb and remove it with cloth etc., promptly.
Keep container tightly closed.
Keep away from sunlight, and keep at temperature not exceeding 40 °C.
Keep away from alkalis.
Entrust to the waste treatment plant, while explain the nature of content.

3 Composition / information on ingredients

Substance / Mixture	Mixture
Chemical name (Generic name)	(main component) Inorganic acid
Ingredients and composition	
Chemical formula	
ENCS No.	Registered
UN Class	8 (Corrosive substances, P.G. 3)
UN No.	3264

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4 First-aid measures

Eye contact	Rinse eyes immediately with flow water for at least 15 minutes, get medical attention.
Skin contact	Wash the affected areas under tepid running water using a mild soap.
Inhalation	Remove the victim to a fresh air zone immediately, lie quiet, and refer for medical attention.
Ingestion	Don not induct vomiting immediately, get medical attention.

5 Fire-fighting measures

Fire fighting measures	Fight fire by the appropriate extinguishing media. Wear proper protective equipments.
Extinguishing media	Dry chemical powder, form, carbon dioxide, sand , water.

6 Accidental release measures

- Wear proper protective equipment.
- (1) In cases of small release, be absorbed into waste or dry sand, and collect them.
 - (2) In case of large release, protect swept agent by dike, and collect them as far as possible.

7 Handling and storage

Handling	Wear proper protective equipment for avoid adherence of agent on eyes, skin and clothes.
Storage	Store in the tightly closed container in a dark and cool location. Keep away from sunlight.

8 Exposure control / personal protection

Control concentration	Not applicable
Allowable concentration	Not applicable
Personal protection countermeasure protection equipment	
Respiratory protection	Simple sanitary mask
Protection goggle	General eyeglasses with side plate
Protection gloves	Rubber gloves
Protection clothes	impermeable working clothes

9 Physical and chemical properties

Appearance	Green liquid
Boiling point	Unknown
Vapor pressure	unknown
pH	2.1 (1%)
Density	1.11 (20°C)
Solvent solubility	Soluble in water optionally

10 Physical hazard (stability and reactivity)

Flash point	Unknown
Ignition point	Unknown
Flammability	Not flammable
Stability - Reactivity	Stable under normal handling

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11 Toxicological information

(Include personal disease, epidemic information)

Corrosive and irritant properties (Skin, Eyes)

Acute toxicity (Contain LD50, etc)

Cause severe skin burns and eye damage.

oral LD50 8500mg/Kg (rat)

Classification of mixtures based on ingredients of the mixture (additivity formula)

12 Ecological information

Biodegradability Unknown

Bioaccumulation Unknown

Fish toxicity Unknown

13 Disposal consideration

Entrust to the waste treatment plant, while explain the nature of content.

14 Transport information

Confirm the existence of leakage from package, avoid violent handling so as to break container.

Avoid direct rays of sunlight and keep temperature less than 40°C.

UN Class

8 (Corrosive substances, P.G. 3)

UN No.

3264

15 Regulatory information

Follow all regulation in your country.

Regulatory information with regard to this substance in your country in your region should be examined by your own responsibility.

16 Others (inquiry relate to contents)

The described content herein is given based on the present data and information, but no warranty for any data or estimation. Further, the described articles herein are given for the object under normal handling, if necessary special handling, you must handle under the safety consideration for the new uses or applications.