
Safety data sheet

1. Identification

Product name	HYPER REMOVER NEO
Company name	Miccheal Chemical CO., LTD.
Address	2-14 Ishijima, Koto-ku, Tokyo
Tel	+(81)3-5633-2520
Fax	+(81)3-5653-3575
Department	Reserch and Development
Emergency contact	+(81)72-268-1181
Recommended use	Removal of water-based floor polish and polymer-type coatings applied to chemical flooring materials
Restrictions on Use	Do not use on linoleum, linotile, rubber tile or wooden floors. If you are planning to use this product for purposes other than those recommended, please consult with an expert.

2. Hazard identification**GHS classification****Physicochemical hazards**

Corrosive to metal	Not classified
Flammable liquid	Not classified

Health hazards**Acute toxicity**

- oral	Category 4
- dermal	Category 4
- Inhalation, gas	Not classified
- Inhalation, vapor	Not classified
- Inhalation, dust and mist	Not classified

Skin corrosion/ irritation	Category 1
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Serious eye damage/eye irritation	Category 1
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Respiratory sensitization	Classification not possible
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Skin sensitization	Category 1
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Germ cell mutagenicity	Classification not possible
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Carcinogenicity	Classification not possible
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Reproductive toxicity	Classification not possible
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Specific target organ toxicity

- single exposure	Category 1 (central nervous system, respiratory system, liver, kidneys) Category 3 (anesthetic effects)
- repeated exposure	Category 1 (central nervous system) Category 2 (respiratory system)

Aspiration hazard	Classification not possible
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Environmental toxicity**Aquatic environmental toxicity**

- acute	Category 2
- chronic	Classification not possible

GHS labelling elements**Symbols/Pictograms**

Signal word	Danger
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Hazard information	Harmful if swallowed
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Harmful in contact with skin
 Causes severe skin burns and eye damage
 May cause an allergic skin reaction
 Causes damage to organs (central nervous system, respiratory system, liver, kidneys)
 May cause drowsiness or dizziness
 Causes damage to organs (central nervous system)
 May cause damage to organs (respiratory system)
 Toxic to aquatic life

Instruction

Prevention:

Do not breathe mist/vapours/spray.
 Wash hands thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Contaminated work clothing should not be allowed out of the workplace.
 Avoid release to the environment.
 Wear protective gloves/ protective clothes/ protective eyewear/ protective mask.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 IF ON SKIN: Wash with plenty of water and soap.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 If skin irritation or a rash occurs: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 Call a doctor if you feel unwell.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a doctor.
 If exposed or concerned: Call a doctor.

Storage:

Store in a well ventilated place. Keep container tightly closed.

Disposal:

Store locked up.
 Dispose of contents/container in accordance with local/regional/national regulation.

3. Composition/information on ingredients

Single substance or mixtures

A mixture

Ingredient

Chemical or common name	Concentration	CAS No.
Surfactants	Nondisclosure	Nondisclosure
Benzyl alcohol	55-65%	100-51-6
2-aminoethanol	19.8%	141-43-5
N-methyl-ethanolamine	5-15%	109-83-1
Others	Nondisclosure	Nondisclosure
Water	Balance	7732-18-5

*As the ingredients and content are trade secrets, they will be notified separately after a confidentiality agreement is signed.

4. First-aid measures

If inhaled

Immediately move to a place with fresh air and rest in a posture that is easy to breathe.
 Call a doctor if you feel unwell.

If on skin

Immediately wash off with a large amount of water.
 Immediately remove any clothes or shoes that liquid has been spilled on.
 Get medical advice/attention. Any delay in medical treatment may lead to inflammation.
 Sufficiently wash any clothes or shoes that liquid has been spilled on before wearing.

If in eyes

Rinse cautiously with water for several minutes.
 Next, remove contact lenses if present and easy to do. Continue rinsing afterwards.
 Thereafter, immediately take SDS or this product and see an ophthalmologist.

If swallowed

Immediately wash the person's mouth out with water and ensure they drink a large amount of water.

If the person is unconscious, do not put anything in their mouth.

Do not induce vomiting and promptly get medical advice/attention.

5. Fire-fighting measures

Extinguisher

For early stages of fire, use powder, carbon dioxide, dry sand, etc.

For large-scale fires, use foam extinguishing agents to cut off the air.

Fire-extinguishing agents that must not be used

None known

Specific fire fighting method

Perform fire-fighting work from a windward direction.

Spray water to surrounding facilities to keep them cool.

When extinguishing a fire, wear appropriate protective equipment such as rubber protective clothing, rubber protective gloves, goggle-type protective glasses, rubber boots, and an air respirator.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Entrance by anyone other than those involved is prohibited.

When working, be sure to wear protective equipment (rubber gloves, protective glasses, protective clothing, rubber boots, etc.) to avoid contact with eyes and skin and inhalation of mist.

If indoors, ventilate well until work is completed.

In case of large amounts, evacuate people safely.

Environmental precautions

Avoid release to the environment.

When diluting with a large volume of water, take care so the contaminated waste water should not be discharged into the environment without being processed properly.

Do not flush the leakage directly into rivers and sewage.

Methods and materials for containment and cleaning up

In case of a small volume, absorb leakages with adsorbents (sawdust, earth, sand, rags, etc.) and thoroughly wipe the rest with rags or mops.

In case of a large volume, prevent the outflow to the surrounding area and appropriately dispose after leading it to a safe place.

7. Handling and storage

Handling

Technical measures

Install equipment by the handling place for washing the eyes and body in case of emergency.

Take the facility measures described in "8. Exposure controls and personal protective measures" and wear protective equipment.

Do not overturn, drop, apply impact, or drag containers.

Local ventilation / Entire ventilation

Use in an area with sufficient ventilation.

Safety precautions of treatment

Do not contact, inhale or swallow.

Wash hands, face, etc. thoroughly and gargle after handling.

Contact avoidance

Since it is alkaline, avoid contact with acidic substances.

Storage

Appropriate storage conditions

Store in a well-ventilated place. Keep container tightly closed.

Store the product so that it is not mixed with other products.

Keep the container away from direct sunlight and fire.

Safety materials for packaging containers

Use special containers designated by the company (special containers on which surface brand name, usage and precautions are written) when transferring this product to another container.

8. Exposure controls/personal protection

Protective equipment

Respiratory protective equipment

Protective mask

Protective hand equipment

Rubber gloves

Protective eyes equipment

Protective glasses

Protective skin & body equipment

Protective clothing

9. Physical and chemical properties

Physical state	Liquid
Color	Clear or Light yellow
Odor	Slight ammonia odor, amine odor, characteristic odor
Melting point/Freezing point	No data
Initial boiling point and boiling range	It is assumed to have a boiling point similar to that of water.
Flammability	No data
Upper/lower flammability or explosive limits	No data
Flash point	(Cleveland open-type) 100°C
Auto-ignition temperature	No data
Decomposition temperature	No data
pH	11-12 (when diluted 15 times)
Kinematic viscosity	No data
Solubility	The product can be mixed with water at an arbitrary ratio.
Partition coefficient : n-octanol/water	No data
Vapor pressure	No data
Specific gravity (Relative density)	No data
Vapor density	No data
Particle properties	Not applicable

10. Stability and reactivity

Stability	Safe when handled and stored in accordance with regulations.
Possibility of hazardous reactions	Reacts with strong oxidants and acids, generating heat.
Conditions to avoid	Freezing, high temperatures, light, excess oxygen, high temperatures, light metals and non-ferrous metals.
Incompatible materials	Acidic substances, oxidizing substances, and other general substances that should not be mixed with the product.
Hazardous decomposition products	Harmful and irritating gases such as nitrogen oxides.

11. Toxicological information

Acute toxicity (oral)	No data
Acute toxicity (dermal)	No data
Skin corrosion/irritation	No data
Serious eye damage/eye irritation	No data
Respiratory sensitization	No data
Skin sensitization	No data
Germ cell mutagenicity	No data
Carcinogenicity	No data
Reproductive toxicity	No data
Specific target organ toxicity (single exposure)	No data
(repeated exposure)	No data
Aspiration hazard	No data

12. Ecological information

Ecotoxicity	No data
Persistence/Degradability	No data
Bioaccumulation	No data
Mobility in soil	No data
Hazardous to the ozone layer	No data

13. Disposal considerations

Information on the safe and environmentally sound disposal or recycling of chemicals (residual waste), contaminated containers and packaging containing said chemicals

Refer to the 【7. Handling and storage】.
 Dispose used containers after thoroughly washing.
 Dispose of in accordance with all federal, state and local applicable regulations.

14. Transport information

International regulations

UN No.	3267
Proper Shipping Name	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
UN classification	Class 8
Container grade	II
Marine Pollutant	Not Applicable
Marine regulation information	Conform to IMO regulations.
Aviation regulation information	Conform to ICAO/IATA regulations
Domestic regulations	Follow the applicable laws and regulations.
Specific safety measures and conditions for transportation	Avoid placing the container in direct sunlight or a hot place. When transporting the container, check that there are no leaks and carefully load the container so that it does not fall, drop, or is damaged, and prevent the load from collapsing.

15. Regulatory information (only in Japan)

Industrial Safety and Health Act Enforcement Order Article 18 and Article 18-2

Benzyl alcohol

2-aminoethanol

N-methyl-ethanolamine

Industrial Safety and Health Act Enforcement Order Attached Table 1 (Dangerous Materials)

Not applicable

Industrial Safety and Health Act Enforcement Order Attached Table 3 (Specified Chemical Substances, Manufacturing Permitted Substances)

Not applicable

Industrial Safety and Health Act Enforcement Order Appended Table 6-2 (Organic Solvents)

Not applicable

Lead poisoning prevention regulations (Lead and lead compounds specified in Attached Table 4, Item 6 of the Enforcement Order of the Industrial Safety and Health Act)

Not applicable

Tetraalkyl lead poisoning prevention regulations (Tetraalkyl lead specified in Attached Table 5, Item 1 of the Industrial Safety and Health Act Enforcement Order)

Not applicable

Industrial Safety and Health Regulations Article 577-2 (Substances with concentration standards)

Not applicable

Industrial Safety and Health Regulations Article 577-2 (Carcinogenic Substances)

Not applicable

Industrial Safety and Health Regulations Article 594-2 (Chemical substances that cause skin damage)

Benzyl alcohol

2-aminoethanol

N-methyl-ethanolamine

Act on Promotion of Ascertainment of Emissions of Specified Chemical Substances into the Environment and Improvement of Management (PRTR)

Class 1 designated chemical substance: 2-aminoethanol (19.9%) (Control number: 20)

Poisonous and Deleterious Substances Control Law (Poisonous and Deleterious Substances)

Not applicable

Act on Waste Treatment and Cleaning (Specially Controlled Industrial Waste)

Waste alkali

Act on Regulation of Household Products Containing Hazardous Substances (Hazardous Substances)

Not applicable

Chemical Substances Control Law (Class 1 Specified Chemical Substances, Class 2 Specified Chemical Substances)

Not applicable

Fire Service Act (Hazardous materials)

Class 4, Class 3 petroleum (liquid) (hazard level III) water-soluble, designated quantity 4000L

16. Others

Inquiries about the contents of description

Company name	Miccheal Chemical CO., LTD.
Address	2-14 Ishijima, Koto-ku, Tokyo
Department	Reserch and Development
Tel	+(81)72-268-1181
Fax	+(81)72-268-1183

The contents included herein are provided with currently available materials and information, but the assessments on danger and hazards are not necessarily inapplicable. Consequently, the product should be carefully handled. All remarks and precautions are prepared for ordinary handling, and it is the user's responsibility to apply sufficient measures applicable to the event and method of particular use. Furthermore this information may be revised based on new knowledge without notice.