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Notification of Ministry of Industry
Re: Registration of hazardous substances
B.E. 2543 (2000)

To revise the Notification of Ministry of Industry B.E. 2538 (1995) dated 17th February B.E. 2538 (1995), regarding the registration of hazardous substances, and by the virtue of section 5 paragraph three, section 20(4), section 36 paragraph three and section 44 (1) of the Hazardous Substance Act B.E. 2535 (1992), the Minister of Industry, with the opinions of the Committee on Hazardous Substance, hereby issues the Ministerial Notification as follows:

Article 1 The Notification of Ministry of Industry B.E. 2538 (1995) dated 17th February B.E. 2538 (1995), regarding registration of hazardous substances, shall be repealed.

Article 2 Hazardous substances in this notification shall mean the hazardous substances under the authorization of Department of Industrial Works as designated in the Ministerial Notification, issued pursuant to section 18 paragraph two, which are not included on the list of the Ministerial Notification being issued pursuant to section 36 paragraph one.

Article 3 Any person who produces or imports type 2 or type 3 hazardous substances shall submit an application for registration of such hazardous substance to Department of Industrial Works, Ministry of Industry, or to other agencies designated by the Ministry of Industry.

Article 4 Form Wo.Ao./Ao.Ko.1, annexed to this Ministerial Notification, shall be used as an application form for registration of hazardous substance, and shall be submitted with one copy of following documentation.

(1) Material Safety Data Sheet (MSDS), in accordance with the form WoAo./AoKo.3 annexed to this Ministerial Notification or with that of ISO 11014-1

(2) Specification of the hazardous substance

(3) Document or photograph evidencing characteristic of containers or tanks

(4) Document or photograph evidencing methods used to secure the containers (if any)

(5) A specimen of the hazardous substance for analysis of its specification, or the analysis result issued by an analytical laboratory, which is approved by Department of Industrial Works, or a document proven of the specification.

A sample may be submitted as a substitute for the documents in (3) and (4), nonetheless the specimen, the analysis result or the document in (5) shall be as prescribed by the competent official.

Article 5 After examining the application and all documentation in Article 4, the competent official, where sees legitimate, shall grant a certificate of registration of hazardous substance. Form WoAo./AoKo.2, annexed to this Ministerial Notification, shall be used as a certificate of registration of hazardous substance.

Article 6 In the process of examining the application, the competent official may direct the applicant to submit additional information related to such hazardous substance, other than those indicated in Article 4, or to conduct an additional analysis.

Article 7 To apply for a certificate of registration of a mixture of two or more hazardous substances, an applicant shall submit the documentation in Article 4 (1) that relates to the mixture.

Article 8 Where a hazardous substance has already been registered or permitted to be produced or imported under other laws, or there is distinct and reliable information about the hazardous substance in question, the competent official may allow the exemption from compliance with any article in this Ministerial Notification.

Article 9 A recipient of a certificate of registration of hazardous substance, who needs to correct or alter any information on the certificate, shall submit a written request to the competent official. The competent official may ask the recipient in written to conduct an additional analysis or any other matter, where sees appropriate. After reviewing the application and considering it legitimate, the competent official shall approve of correction or alteration on the certificate and shall notify the recipient of such approval.

This shall, thus, enter into force on the day following the date of its publication in the Government Gazette.

Announced on the 20th March B.E. 2543 (2000)

(signed) _____
(Mr. Suwat Lippatapullop)
Minister of Industry

(Published in the Government Gazette, Volume 117, Special Part 43d, dated 8th May B.E. 2543 (2000))

Application for registration of hazardous substance

Day.....Month.....Year.....

Name.....Age.....years Nationality.....

(Natural or Juristic person)

Contact address: Moo Soi

Street Tambon/Sub-district Amphur/District.....

Province..... Postal code Phone noFax No

Request for registration of type hazardous substances listed below:

Name of hazardous substance	Chemical formula, and ratio	Trade name or Abbreviation (if available)	Producer and production site	Remark

Herewith I have enclosed the documents listed.

- Material Safety Data Sheet
- Copy of identification card or copy of alien identification card
- Copy of certificate of juristic person registration
- Specification of the hazardous substance
- Document or photograph evidencing characteristic of containers or tanks
- Document or photograph evidencing methods used to secure the containers
- Specimen of the hazardous substance in quantity of(kilograms or liters)
- Others.(please specify).....

(Signature).....Applicant

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Certificate of Registration of Hazardous Substance

Department of Industrial Works

Ministry of Industry

Number.....

Granted toNationality.....

Contact address: Moo Soi.....

Street Tambon/Sub-district Amphur/District

Province..... Postal code..... Phone No Fax No.....

To receive the certificate of registration of type hazardous substances listed below:

Name of hazardous substance	Chemical formula and ratio	Trade name	Producer and production site

Issued on the day of.....month.....year.....

(Signature)..... competent official

.....)

Certificate issuer

Material Safety Data Sheet

Name of chemicals/products

Name of person requesting for registration

Contact address of the applicant:Moo.....Soi.....

Street Tambon/Sub-district..... Amphur/District

Province..... Postal code.....

1. Product and Company Identification

Common chemical name of chemicals/products

Formula/ Chemical Structure

CAS Number

Other names

Name of Producer/ Distributor

Address (in detail).....

Telephone number Fax number

Telephone number in case of emergency

2. Composition/ Information on Ingredients: please specify common chemical name and its percentage in a mixture for every substance.

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3. Physical and Chemical Properties

Melting point° C Boiling point° C

Density g/cm³ at° C

Vapor Pressure kPa at° C

Viscosity m²/s at° C

Water Solubility g/100 mL at° C

Material Safety Data Sheet

Name of chemicals/products

3. Physical and Chemical Properties (continued)

State Solid Liquid Gas at° C

Appearance and Odor

Flash point° C Test method

Auto-ignition temperature° C

Explosive Limits

Lower Explosive Limit (LEL) % Upper Explosive Limit (UEL) %

Other physical properties

4. Hazards Identification

Main Hazards (e.g., ignitable, explosive, corrosive, etc):

Health Hazards Data:

Eye Contact

Skin Contact

Inhalation

Ingestion

5. First-aid Treatment

Eye contact

Skin contact

Inhalation

Antidote and treatment in case of swallowing

Required medical treatment (if any)

Material Safety Data Sheet

Name of chemicals/products

6. Fire-fighting Measures

Suitable extinguishing media

Incompatible extinguishing media

Potential Hazard

Special Fire Fighting Procedures

Firefighter Protective clothing

7. Accidental Release Measures

Public protection

Environmental protection

Mitigation procedure for spilled or leaked chemicals/ products

8. Handling and Storage

Handling requirements

- Warning

- Precautions

- Ventilation

- Safe handling procedure.....

Storage requirements

Incompatible chemicals

9. Safety Standards/Exposure Controls/Personal Protection

Threshold Limit Values in Time Weighted Average (TLV-TWA)

Engineering Control

Respiratory protective equipment

Body protective equipment

Hand protective equipment

Eye protective equipment

Material Safety Data Sheet

Name of chemicals/products

10. Stability and Reactivity

Material which requires substances or any actions to inhibit a reaction or requires

- Stabilization or hazard protection Yes No

If yes, please specify

- Inhibitor, Stabilizer, or Phlegmatization or substitute method

- Materials or conditions to be avoided

Explosive material Yes No

If yes, please specify

Material that reacts with water Yes No

If yes, please specify possible product

Oxidizing material Yes No

If yes, please specify

Material, that when decomposes, generates toxic or hazardous substance Yes No

Toxic/hazardous substance from decomposition

Treatment/ disposal of decomposition products

11. Toxicological Information

Acute toxicity

- Oral LD₅₀ mg/kg Tested animal- Dermal LD₅₀ mg/kg Tested animal- Inhalation LD₅₀ mg/L (or mg/m³)

Tested animal Exposure time Hour

Toxic to eyes

Toxic to skin

Subacute/ subchronic toxicity

Potential to induce allergic reaction

Material Safety Data Sheet

Name of chemicals/products

11. Toxicological Information (continued)

Chronic toxicity

- Carcinogenic effect
- Teratogenic effect
- Reproductive effect
- Mutagenic effect
- Toxic to nervous system

12. Ecological Information

Mobility

Persistence/ Degradability

Bioaccumulation

Ecotoxicity

13. Disposal Considerations

Disposal of chemicals/ products

Disposal of containers

Waste Disposal

14. Transport Information (must specify UN Number, UN Class, and UN Packing Group)

UN number UN class UN Packing Group

ADR¹/RID² Substance Identification Number ADR/RID-Class

ADR/RID-Item Number

ADR/RID-Hazard Identification Number

IMDG³-Packing Group..... IMDG-Class

IMDG-Marine Pollutant IMDG-Ems Number

IMDG-MFAG Table Number IATA⁴-Packing Group

IATA-Class Tremcard Number TEC (R).....

Material Safety Data Sheet

Name of chemicals/products

15. Symbol/Label

16. Other information

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References

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Note:

¹ ADR = European agreement concerning the international carriage of dangerous goods by road.

² RID = Regulations concerning the international carriage of dangerous goods by rail.

³ IMDG-CODE = International maritime dangerous goods code.

⁴ IATA = International air transport association.