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Readers are consequently advised to consult qualified professional counsel before making any decision in connection with the enactment, which is here presented in translation for their general information only.

Work Safety Regulations (Safety Data Sheets, Classification, Packing, Labeling and Marking of Packages), 5758 – 1998

Amendment 5760-2000

By the power of the Minister of Labor and Social Affairs under Sections 173 and 216 of the Safety at Work Ordinance [New Version], 5730-1970 (hereinafter – “the Ordinance”), and the power of the Minister of Environmental Protection under Sections 10(2), 12 and 13 of the Hazardous Substances Law, 5753-1993 (hereinafter – “the Hazardous Substances Law”), after consultation with the Minister of Health, the Minister of Agriculture and the Minister of Industry and Trade, and with the approval of the Knesset’s Labor and Social Affairs Committee under Section 48(a) of “Basic Law: The Government” and Section 2(b) of the Penal Law, 5737-1977, we hereby make the following Regulations:

Definitions

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1. In these Regulations –

"The Standard" – the following provisions of Israeli Standard 2302:

- (1) Chapter A – Definition of the Orange Book and Section 1.4;
- (2) Chapter C – Sections 3.2 and 3.3, Chapter E and Appendices A, B and C;

“Holder of a workplace” – any of the following:

- (1) The workplace owner;
- (2) The acting manager of the workplace;
- (3) The person under whose supervision and inspection the workplace operates;

(4) In case the industrial plant is owned by a corporation – the acting manager of the corporation;

“Safety Data Sheet (SDS)” – a sheet containing data regarding a hazardous substance, its attributes and impact, its deriving risks and ways to avoid them.

“Hazardous substance” – a poison, as defined in the Hazardous Substances Law;

“Workplace” – a place in which hazardous substances are handled;

“Chief work supervisor” – as per its meaning in the Organization of Work Control Law, 5714 – 1954;

“Agent” - whoever is engaged in brokering between the manufacturer of the hazardous substance and the person who receives it.

“Handling a hazardous substance” - processing, manufacturing, experimenting and checking, packing, storing, transporting or any other type of work that involves handling or working with a hazardous substance.

Purpose of regulations

2. The purpose of these regulations is to safeguard the safety and health of people working with hazardous substances and those in the vicinity thereof, and the environment.

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3.
 - a) A manufacturer, importer, dealer or distributor of a hazardous substance shall:
 - 1) Pack the substance or ensure that it is packed, as the case may be, and mark the pack, in accordance with the standard’s requirements;
 - 2) Attach a Safety Data Sheet to it.
 - b) A holder of a workplace shall keep available a Safety Data Sheet of every hazardous substance that is used in the

workplace; he shall hold a copy of the sheet readily available for the workers in the workplace.

- c) A worker in a workplace who is in charge of receiving a hazardous substance from one of those referred to in subsection A, must ensure that the said hazardous substance is accompanied by a Safety Data Sheet.

Safety Data Sheet

4.

- a) The Safety Data Sheet shall be filled out in accordance with the guidelines in the Schedule, and contain information regarding the hazardous substance's composition, associated risks, actions to be taken in order to prevent damage and actions to be taken in case such damage actually occurs, as the case may be, and as specified below:
 - 1) Identification of the hazardous substance and identity of the manufacturer, importer, dealer or distributor, as the case may be;
 - 2) Identification of the hazardous substance's components;
 - 3) The hazardous substance's risks;
 - 4) First aid instructions;
 - 5) Fire extinguishing procedure;
 - 6) Precautions;
 - 7) Handling and storage;
 - 8) Means to minimize exposure, and personal protective equipment;
 - 9) Chemical and physical attributes;
 - 10) Stability and reactivity;
 - 11) Toxicity (toxicological data);
 - 12) Environmental data;
 - 13) Disposal methods for a hazardous substance;
 - 14) Transport;
 - 15) Legislation and standardization;
 - 16) Other information.
- b) The Safety Data Sheet shall be based on the most updated information and shall be written in Hebrew or English.

- c) The Safety Data Sheet shall be updated, as provided in regulation 5, in view of any essential new information regarding safety, health and environmental issues that are related to the hazardous substance.
- d) It is possible not to deliver Information which is regarded as a trade secret or a professional secret, providing that the information that is delivered enables safe handling of the substance, to ensure protection of the well being and health of workers in the workplace, of safety and environmental quality.
- e) The following declaration shall appear at the end of every Safety Data Sheet: "The information contained in this sheet is based on the best knowledge and experience currently available".

Updating the Safety Data Sheet

- 5. Where a manufacturer, importer, dealer or distributor discovers essential new information regarding a hazardous substance that may have impact on the health and safety of whoever handles it, or on the environment, he shall deliver an updated Safety Data Sheet, as described in regulation 4(c), to every person who handles hazardous substances and that had received from him such a substance during the twelve months preceding the update.

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- 6.
 - a) A person handling a hazardous substance shall follow the instructions of the Safety Data Sheet and the instructions indicated on the label.
 - b) A holder of a workplace, or his delegate, shall inform the workers regarding the content of the Safety Data Sheet of any hazardous substance that exists in the workplace, as provided in the Organization of Work Control Regulations (Information Provision and Worker Training), 5744-1984, and shall provide them, upon request, with copies of the Sheet.

Reservations for application

7.

a) These regulations shall not apply to:

- 1) A hazardous substance in a quantity or concentration which is exempt from the provisions of regulation 2 of the Hazardous Substances Regulations (Classification and Exemption), 5756-1996;
- 2) Food, as defined in the Public Health Ordinance (Food) [New Version], 5743-1983;
- 3) “Medicaments” and “Medicinal Drugs”, as defined in the Pharmacists’ Ordinance [New Version], 5741-1981 (hereinafter – “the Pharmacists’ Ordinance”);
- 4) Products that contain hazardous substances, as defined in Chapter G1 of the Pharmacists’ Ordinance, which are sold to the public for home use and are marked in such a way that enables their users to take due precautions against their underlying risks.

b) Notwithstanding the aforesaid in subsection (a) –

- 1) A manufacturer, dealer, importer or distributor shall provide a recipient of a hazardous substance specified in paragraphs (1), (2) and (4) of subsection (a), with a Safety Data Sheet, if so requested.

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- 2) Where the Chief Work Supervisor finds out that a certain hazardous substance causes a particular risk, he may require manufacturers, dealers, importers or distributors, in writing, to deliver a Safety Data Sheet to the recipient of that hazardous substance.

Saving of laws

8. These regulations shall not derogate from any other law which is aimed at safeguarding the safety and health of workers and the public, and environmental protection.

Commencement

9. These regulations shall enter into force six months after their date of publication.

Schedule

Regulation 4(a)

Guidelines for the Preparation of a Safety Data Sheet

Chapter A – General:

- 1) This Schedule specifies only the main particulars to be filled into the Safety Data Sheet and the person filling out the Sheet may add particulars, at his discretion.
- 2) All the chapters and parts of the Safety Data Sheet, as specified below, must be filled out; no spaces should be left empty spaces, nor should one write, unjustifiably, “irrelevant” or “no available information”.
- 3) Information which has no explicit connection to any of the Sheet’s chapters shall be written in Section 16 (“other information”) of Chapter B.
- 4) The chapters of the Safety Data Sheets shall be filled briefly and clearly, according to the guidelines of this Schedule.
- 5) The information in the Safety Data Sheet should match the information written on the pack’s label – if such exists.
- 6) The date in which the Safety Data Sheet was prepared or its last update shall be written at the top of the Sheet.
- 7) The following may be of assistance for preparation of a Safety Data Sheet:
 - a) The most updated ISO 11014-1 Standard, at the time of preparation.
 - b) Directive 91/155/EEC of the European Community, as amended in Directive 93/112/EC and as amended occasionally.
 - c) The most updated ANSI Z400.1 – 1993 Standard, at the time of preparation;
For this matter –
“ISO Standard” – Standard of the International Standard Office;
“Directive” – A Directive of the European Community;
“ANSI Standard” – Standard of the American National Standard Institute;

- 8) The Standards and Directive specified in paragraph (7) and in Section 9(b) are deposited for public review in the Information and Response Center of the Ministry of Environmental Protection in Ramla, in the Information Center of the Safety and Hygiene Institute in Tel Aviv, and the Library of the Israel Standards Institute in Tel Aviv

Chapter B – Filling out the Sheet's Chapters:

1. Identification of the hazardous substance and identity of the manufacturer, importer, dealer or distributor (regulation 4(a)(1)), should include the following particulars:
 - a) Substance's name, as written on the package's label.
 - b) Name, address and telephone and fax numbers of the manufacturer in Israel; if the substance was not made in Israel - name, address and telephone and fax numbers of the importer, dealer or distributor in Israel; as well as the telephone number of the manufacturer abroad, in order to receive information in cases of emergency.
2. Identification of the hazardous substance's components (regulation 4(a) (2)).
 - a) It should be indicated whether the product is a substance, including one that is not pure, or a preparation; for that matter – "Preparation" – mixture of substances.
 - b) The following should be specified for a substance: Substance's chemical and generic name and its CAS number; for this matter – "CAS Number" – an identification number for chemical compounds, as published by the American Chemical Abstracts Service.
 - c) The following should be specified for a preparation:
 - 1) Information about the chemical characterization of the preparation and its components;
 - 2) Chemical or generic name of the hazardous components of the preparation;
 - 3) Chemical impurities which contribute to the risk – specifying their chemical or generic name, CAS Number and concentration range.
3. Hazardous substance's risks (regulation 4(a) (3)).

Specifying the main risks for the health of workers at their workplace, the public and the environment as a result of the

hazardous substance, its health implications and expected symptoms due to intended use or improper use of the hazardous substance, including risks deriving from the physical and chemical attributes of the hazardous substance, as well as distinct risks, if such exist.

4. First aid instructions (regulation 4(a) (4)).
 - a) Clearly specifying the necessary first aid actions to be performed, in case of an injury, on the injured person, those around him and those extending the first aid; it should be indicated if medical assistance should be sought immediately and which actions must not be taken under any circumstances;
 - b) Short description of the main symptoms expected immediately due to the injury and of the delayed symptoms as well;
 - c) The information shall be classified according to the possible modes of exposure to the hazardous substance: inhalation, contact with skin, contact with eyes and swallowing;
 - d) Specifying precautions for those extending the first aid, if needed, and remarks for the treating doctor, if any;
 - e) Specifying special means of first aid, if needed, which are required for extending urgent and special treatment, and need to be available at the workplace.
5. Fire extinguishing procedure (regulation 4(a) (5)).
 - a) Providing information and specifying methods for extinguishing conflagrations of the hazardous substance or a fire in its vicinity, and in particular –
 - 1) Appropriate means of fire extinguishing;
 - 2) Prohibited means of fire extinguishing, for safety reasons;
 - 3) Risks deriving from the combustion of the substance or the preparation, from the products of its combustion and from emitted gases;
 - 4) Special fire extinguishing methods;
 - 5) Means of protection for firemen.
6. Precautions (regulation 4(a) (6)).

- a) In regard of an accident or a malfunction, the following should be specified –
 - 1) Personal precautions, such as: removing flare sources, taking measures for proper ventilation and protection of respiratory airways, reducing air dust and preventing contact of hazardous substance with skin and eyes;
 - 2) Environmental precautions, such as: preventing penetration of hazardous substance to the ground, sewage and drainage openings and surface and underground water reservoirs; need to warn neighboring population;
 - 3) Purification methods, such as: use of an absorbing substance, collection, neutralization, removal, gas and steam sprinkling, dilution.
- 7. Handling and storage (regulation 4(a) (7))
 - a) Specifying methods and means for handling and storage of the hazardous substance, as specified below:
 - 1) Handling –
 - (a) Technical measures for preventing the user's exposure to the risks of the hazardous substance and preventing conflagration and explosion;
 - (b) Safety measures for handling the hazardous substance, such as: local or general ventilation, measures for preventing the formation of dust, aerosols and fire, and prevention of contact of the hazardous substance with substances that might react with it;
 - (c) Recommended or prohibited actions or equipment for handling the hazardous substance.
 - 2) Storage –
 - (a) Appropriate and safe storage conditions for the hazardous substance and indication of inadequate storage conditions; indication of the need to create a separation between the hazardous substance and other substances which might react with it, and specification of the separation measures;

- (b) Restrictions on the quantity of the hazardous substance, in respect of storage conditions;
 - (c) Special recommendations for storage rooms or storage receptacles, including spill containment pallets and ventilation; temperature and humidity, lighting, inert gas and such, special electrical equipment and ways for preventing static electricity;
 - (d) Specifying safe and recommended packaging substances and improper packaging substances.
8. Means to minimize exposure, and personal protective equipment (regulation 4(a) (8)).
- a) Describing precautions to be taken during the use of a hazardous substance, in order to minimize a worker's exposure to the hazardous substance, including:
 - (1) Engineering and technical measures for reducing exposure or for preventing contact with the hazardous substance, which should be undertaken, before there is a need to use personal protective equipment;

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- (2) Specifying, with due references, the limits of permitted exposure values to the substance, according to recognized indices such as “Maximal Allowed Weighted Exposure”, “Maximal Allowed Short-Term Exposure”, “Threshold Limit Value – Ceiling”, and biological indices for occupational exposure, as defined in the Organization of Work Control Regulations (Environmental Monitoring and Biological Monitoring of Hazardous Agents), 5751-1990;
- b) Where personal protection is needed, the protective equipment should be specified, as specified below:
 - (1) Protecting the respiratory tract from hazardous gas, steam or dust (breathing device, mask and type of filter);
 - (2) Protecting the hands (type of gloves and additional precautions for skin and hands);

- (3) Protecting the eyes (protective goggles, face shield, etc.);
 - (4) Protecting the skin and body (apron, boots and protective overall);
 - (5) In case of need – hygienic measures (e.g. using a fume-chamber).
9. Physical and chemical attributes (regulation 4(a) (9)).
- a) Describing the attributes of the hazardous substance, as specified below:
 - (1) Substance's appearance, state of aggregation: liquid, solid or gas; shape and color;
 - (2) Smell;
 - (3) pH of the substance or its solution in the concentration provided;
 - (4) Boiling point or boiling range, melting point or melting range, disintegration temperature and flash point;
 - (5) Flammability;
 - (6) Auto-ignition temperature;
 - (7) Explosion attributes; Lower Explosion Limit (LEL); Upper Explosion Limit (UEL);
 - (8) Oxidation attributes;
 - (9) Vapor pressure;
 - (10) Density;
 - (11) Solubility, noting the solvents;
 - (12) Distribution coefficient (n – Octanol: Water);
 - (13) Additional information regarding safe use of a hazardous substance, such as: radioactivity, bulk density, dust density, evaporation rate, conductivity and viscosity.

The data shall be displayed in SI Units, as specified in International Standard ISO 31-8, which can be viewed by the public in the locations specified on chapter A; data may also be represented in other units with an indication of the measurement method.

10. Stability and Reactivity (regulation 4(a) (10)).
- a) Specifying information regarding the hazardous substance's stability and the possibility of the occurrence

of hazardous reactions under certain conditions and circumstances, as specified below:

- (1) Describing conditions and circumstances that should be avoided, such as temperature, pressure, lighting and shaking;
 - (2) Describing substances that induce a dangerous reaction, such as water, air, acids, bases, oxidants or any other substance that might induce a dangerous reaction.
- b) Hazardous breakdown products: substances that are formed in hazardous quantities during disintegration:
- (1) Specifying the need for stabilizers and indicating their presence;
 - (2) Indicating the possibility of a hazardous exothermic reaction;
 - (3) Explaining the significance, in terms of safety, of any modification in the hazardous substance's appearance or in its tangible characteristics;
 - (4) Specifying hazardous breakdown products that are created following contact with water;
 - (5) Indicating the possibility of disintegration into unstable products;
 - (6) Considering intended uses and improper but expected uses of the hazardous substance.

11. Toxicity (Toxicological Data) (regulation 4(a) (11)).

- a) Specifying toxicological phenomena which might occur due to user exposure to the hazardous substance, including –
- (1) Acute and chronic toxicity, including toxicity indices for every mode of exposure (inhalation, swallowing, contact with skin or eyes);
 - (2) Immediate or delayed and chronic reactions, as a result of short and long term exposures, such as: excitation, carcinogenicity, mutagenicity, fertility impairment, including teratogenicity and anaesthetization. If necessary, the information in this chapter may include reference to the preparation's hazardous components.

12. Environmental Information (regulation 4(a) (12)).

- a) Specifying the impact of the substance on the environment, as well as its conduct and fate, and specifying the main characteristics of the hazardous substance, which are expected to impact on the environment due to the hazardous substance, its intended use and disintegration products, as specified below:
 - (1) Mobility of the hazardous substance, including –
 - (a) Known or expected distribution in environmental systems;
 - (b) Surface tension of the substance;
 - (c) Absorption, emission and additional chemical and physical data, as provided in Section 9;
 - (2) Hazardous substance's decomposition including –
 - (a) Biological and chemical decomposition;
 - (b) Aerobic and anaerobic decomposition;
 - (c) Durability;
 - (3) Degree of the hazardous substance's accumulation in biological systems;
 - (4) Short and long term toxicity of the hazardous substance for ecological systems –
 - (a) Living systems in water;
 - (b) Living systems in the ground;
 - (c) Plants and animals on land;
 - (5) Other short and long term negative effects of the hazardous substance, such as:
 - (a) Potential depletion of the stratospheric ozone layer;
 - (b) Potential for photochemical production of ozone;
 - (c) Potential for contributing to global warming;
 - (d) Impact on waste treatment systems.

13. Methods of disposing of a hazardous substance (regulation 4(a) (13)).

This Section shall specify safe disposal methods of hazardous substances, including –

- (1) Describing the hazardous waste that might be created during use of the hazardous substance, and explaining how to handle it safely.

- (2) Indicating appropriate disposal methods for excess hazardous substances, for hazardous waste and for contaminated packaging, such as: burning in an authorized facility, recycling or controlled landfilling.

Note: if possible – the existence of adequate legislation and standardization that deal with the subject of hazardous substance removal should be mentioned.

14. Transport (regulation 4(a) (14)).

This Section shall describe special precautions that the user should be notified about, or undertake, regarding hazardous substance transport inside and outside of the rooms, and also specify international classification methods in respect of transportation and labeling of hazardous substance packaging; in this regard – “International classification methods” – classification derived from international regulations, as defined in Section 19(b) of the fourth chapter of the Control of Goods and Services Order (Transport Services and Trailer Services), 5739-1978.

15. Legislation and standardization (regulation 4(a) (15)).

This Section shall –

- (1) If possible, remind users about the existence of legislation and standardization related to the hazardous substance;
- (2) Specify information on risks and safety measures that are indicated on the packages label – if one exists.

16. Other information

This section shall provide additional information which may be important to safety, health and environmental aspects, as follows:

- (1) Recommendations regarding the required training for users of the hazardous substance;
- (2) Recommended uses and restrictions;
- (3) Reference to other sources of information, such as information centers;
- (4) Indicating the main data source of the Safety Data Sheet.