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Number	Current Removed text is bold, underlined with a strike though	NEW New text is bold and underlined
Appendix D	A safety data sheet (SDS) shall include the information specified in Table D.1 under the section number and heading indicated for sections 1-11 and 16. **~~If no relevant information is found for any given subheading within a section, the SDS shall clearly indicate that no applicable information is available~~**. Sections 12-15 may be included in the SDS, but are not mandatory.	A safety data sheet (SDS) shall include the information specified in Table D.1 under the section number and heading indicated for sections 1-11 and 16. **While each section of the SDS must contain all of the specified information, preparers of safety data sheets are not required to present the information in any particular order within each section. If no relevant information is found for any given subheading within a section, the SDS shall clearly indicate that no applicable information is available**. Sections 12-15 may be included in the SDS, but are not mandatory.
		Table D.1. Minimum Information for an SDS
	Identification (a)Product identifier used on the label; (b)Other means of identification; (c)Recommended use of the chemical and restrictions on use; (d)Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party; (e)Emergency phone number.	Identification (a) Product identifier used on the label; (b) Other means of identification; (c) Recommended use of the chemical and restrictions on use; (d) Name, **U.S.** address, and **U.S.** telephone number of the chemical manufacturer, importer, or other responsible party; (e) Emergency phone number.

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	Hazard identification (a) Classification of the chemical in accordance with paragraph (d) of §1910.1200; (b) Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200. (Hazard symbols may be provided as graphical reproductions in black and white or the name of the symbol, e.g., flame, skull and crossbones); ~~**(c) Describe any hazards not otherwise classified that have been identified during the classification process;**~~ ~~**(d) Where an ingredient with unknown acute toxicity is used in a mixture at a concentration ≥ 1% and the mixture is not classified based on testing of the mixture as a whole, a statement that X% of the mixture consists of ingredient(s) of unknown acute toxicity is required**~~.	Hazard identification (a) Classification of the chemical in accordance with paragraph (d)**(1)(i)** of §1910.1200; (b) Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200.(Hazard symbols may be provided as graphical reproductions in black and white or the name of the symbol, e.g., flame, skull and crossbones); **(c) Hazards classified under paragraph (d)(1)(ii) of § 1910.12000;** **(d) Describe any hazards not otherwise classified that have been identified during the classification process;** **(e) Where an ingredient with unknown acute toxicity is used in a mixture at a concentration ≥1% and the mixture is not classified based on testing of the mixture as a whole, a statement that X% of** **the mixture consists of ingredient(s) of unknown acute toxicity is required.**

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Number	Current Removed text is bold, underlined with a strike though	NEW New text is bold and underlined
	Composition/information on ingredients Except as provided for in paragraph (i) of §1910.1200 on trade secrets: For Substances (a)Chemical name; (b)Common name and synonyms; (c)CAS number and other unique identifiers; (d)Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance. For Mixtures In addition to the information required for substances: (a)The chemical name and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200 and (1) Are present above their cut-off/concentration limits; or (2) Present a health risk below the cut-off/concentration limits. (b)The concentration (exact percentage) shall be specified unless a trade secret claim is made in accordance with paragraph (i) of §1910.1200, when there is batch-to-batch variability in the production of a mixture, or for a group of substantially similar mixtures (See A.0.5.1.2) with similar chemical composition. In these cases, concentration ranges may be used. For All Chemicals Where a Trade Secret is Claimed Where a trade secret is claimed in accordance with paragraph (i) of §1910.1200, a statement that the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret is required.	Composition/information on ingredients Except as provided for in paragraph (i) of §1910.1200 on trade secrets: For Substances (a) Chemical name; (b) Common name and synonyms; (c) CAS number and other unique identifiers; (d) Impurities and stabilizing additives **(constituents)** which are themselves classified and which contribute to the classification of the substance. For Mixtures In addition to the information required for substances: (a) The chemical name, **CAS number or other unique identifier,** and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200 and (1) are present above their cut-off/concentration limits; or (2) **p**resent a health risk below the cut-off/concentration limits. **Note: When CAS number is not available or claimed as a trade secret, the preparer must indicate the source of unique identifier**. (b) The concentration (exact percentage) shall be specified unless a trade secret claim is made in accordance with paragraph (i) of §1910.1200, when there is batch-to-batch variability in the production of a mixture, or for a group of substantially similar mixtures (See A.0.5.1.2) with similar chemical composition. In these cases, concentration ranges may be used. For All Chemicals Where a Trade Secret is Claimed Where a trade secret is claimed in accordance with paragraph (i) of §1910.1200, a statement that the specific chemical identity, and/or

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	Exposure controls/personal protection (a) OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available. (b) Appropriate engineering controls. (c) Individual protection measures, such as personal protective equipment.	Exposure controls/personal protection (a) **For all ingredients or constituents listed in Section 3, the** OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit or range used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available. (b) Appropriate engineering controls. (c) Individual protection measures, such as personal protective equipment
	~~Physical and chemical properties~~ **~~(a)Appearance (physical state, color, etc.);~~** **~~(b)Odor;~~** **~~(c)Odor threshold;~~** **~~(d)pH;~~** **~~(e)Melting point/freezing point;~~** **~~(f)Initial boiling point and boiling range;~~** **~~(g)Flash point;~~** **~~(h)Evaporation rate;~~** **~~(i)Flammability (solid, gas);~~** **~~(j)Upper/lower flammability or explosive limits;~~** **~~(k)Vapor pressure;~~** **~~(l)Vapor density;~~** **~~(m)Relative density;~~** **~~(n)Solubility(ies);~~** **~~(o)Partition coefficient: n-octanol/water;~~** **~~(p)Auto-ignition temperature;~~** **~~(q)Decomposition temperature;~~**	Physical and chemical properties **(a) Physical state** **(b) Color** **(c) Odor (includes odor threshold)** **(d) Melting point/freezing point** **(e) Boiling point (or initial boiling point or boiling range)** **(f) Flammability** **(g) Lower and upper explosion limit/flammability limit** **(h) Flash point** **(i) Auto-ignition temperature** **(j) Decomposition temperature** **(k) pH** **(l) Kinematic viscosity** **(m) Solubility** **(n) Partition coefficient n-octanol/water (log value)** **(o) Vapor pressure (includes evaporation rate)** **(p) Density and/or relative density** **(q) Relative vapor density**

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	Stability and reactivity (a)Reactivity; (b)Chemical stability; (c)Possibility of hazardous reactions; (d)Conditions to avoid (e.g., static discharge, shock, or vibration); (e)Incompatible materials; (f)Hazardous decomposition products.	Stability and reactivity (a) Reactivity; (b) Chemical stability; (c) Possibility of hazardous reactions, **including those associated with foreseeable emergencies;** (d) Conditions to avoid (e.g., static discharge, shock, or vibration); (e) Incompatible materials; (f) Hazardous decomposition products.
	~~**Toxicological information**~~ ~~**Description of the various toxicological (health) effects and the available data used to identify those effects, including:**~~ ~~**(a)Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact);**~~ ~~**(b)Symptoms related to the physical, chemical and toxicological characteristics;**~~ ~~**(c)Delayed and immediate effects and also chronic effects from short- and long-term exposure;**~~ ~~**(d)Numerical measures of toxicity (such as acute toxicity estimates).**~~ ~~**(e)Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.**~~	**Toxicological information** **Description of the various toxicological (health) effects and the available data used to identify those effects, including:** **(a) Information on the likely routes of exposure (inhalation, ingestion, skin, and eye contact);** **(b) Symptoms related to the physical, chemical, and toxicological characteristics;** **(c) Delayed and immediate effects and also chronic effects from shortand long-term exposure;** **(d) Numerical measures of toxicity (such as acute toxicity estimates);** **(e) Interactive effects; information on interactions should be included if relevant and readily available;** **(f) Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.** **(g) When specific chemical data or information is not available, the preparer must indicate if alternative information is used and the method used to derive the information (e.g., where the preparer is using information from a class of chemicals rather than the exact chemical in question and using SAR to derive the toxicological information).**

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	Transport information (Non-mandatory) (a) UN number; (b) UN proper shipping name; (c) Transport hazard class(es); (d) Packing group, if applicable; (e) Environmental hazards (e.g., Marine pollutant (Yes/No)); (f) Transport in bulk (according **~~to Annex II of MARPOL 73/78 and the IBC Code)~~**; (g) Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.	Transport information (Non-mandatory) (a) UN number; (b) UN proper shipping name; (c) Transport hazard class(es); (d) Packing group, if applicable; (e) Environmental hazards (e.g., Marine pollutant (Yes/No)); (f) Transport in bulk (according to **IMO instruments** (g) Special precautions which a user needs to be aware of, or needs tocomply with, in connection with transport or conveyance either within or outside their premises
		Note: To determine the appropriate flammable liquid storage container size and type, the boiling point shall be determined by methods specified under § 1910.106(a)(5) and then listed on the SDS. In addition, the manufacturer, importer, and distributor shall clearly note in sections 7 and 9 of the SDS if an alternate calculation was used for storage purposes and the classification for storage differs from the classification listed in section 2 of the SDS.