

HAZARD COMMUNICATION STANDARD UPDATE 2014

SAFETY DATA SHEETS

OSHA recently revised its Hazard Communication Standard to align with the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Two significant changes contained in the revised standard require the use of new labeling elements and a standardized format for Safety Data Sheets (SDS), formerly known as Material Safety Data Sheets (MSDS).

Safety Data Sheets

Information contained in a Safety Data Sheet (SDS) is the same information currently found in a Material Safety Data Sheet (MSDS). New SDS's will have a uniform format and will include section numbers (a total of 16), headings and associated information under each section.

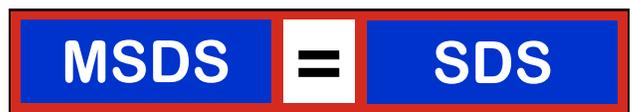
- Section 1** **IDENTIFICATION:** This section includes a description of the product, who manufactured it, contact information and how to or not to use it.
- Section 2** **HAZARD IDENTIFICATION:** This section identifies the hazards posed by the chemical along with the information that's required to be on the chemical's label including the pictograms, signal word, hazard statements and precautionary statements.
- Section 3** **COMPOSITION/INFORMATION OF INGREDIENTS:** This section identifies the ingredients contained in the product which are known to be hazardous substances.
- Section 4** **FIRST-AID MEASURES:** This section describes the initial care that should be given by untrained responders to an individual who has been exposed to the chemical. Information found here may include: first-aid instructions by relevant routes of exposure and a description of the most important symptoms or effects.

Safety Data Sheet		Page 1 of 4
Solvent A 95%		ABC KEM CO
Section 1 Product Description		
Product Name:	Solvent A 95%	
Synonyms:	Machine solvent, industrial solvent, equipment flushing solvent	
Product Use:	Equipment cleaning	
Distributor:	ABC Kem Co, 2266 Root Street, Anytown, PA 12345 Phone: 719-555-1234	
Emergency Contact:	Chemtrek Phone: 800-555-1234	
Product Code:	ABC-101	
Section 2 Hazard Identification		
Signal Word:	DANGER	
	 	
Highly flammable liquid and vapor. May cause damage to organs.		
GHS Classification:	Flammable Liquid Category 2 Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 2	
Other Safety Precautions:	If exposed or if you feel unwell: Call a POISON CENTER or doctor.	
Acute Toxicity Dermal Contains:	90.95% of the mixture consists of ingredient(s) of unknown toxicity.	
Section 3 Composition / Information on Ingredients		
Chemical Name	CAS#	%
Ethanol	64-17-5	85.98
Water	7732-18-5	5
2-Propanol	67-53-0	4.75
Methanol	67-56-1	4.28
Section 4 First Aid Measures		
Emergency and First Aid Procedures		
Inhalation:	In case of accidental inhalation; remove casualty to fresh air and keep at rest.	
Eyes:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.	
Skin Contact:	After contact with skin, wash immediately with plenty of water.	
Ingestion:	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.	
Section 5 Firefighting Procedures		
Extinguishing Media:	Use dry chemical, CO2 or appropriate foam.	
Fire Fighting Methods and Protection:	Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.	
Fire and/or Explosion Hazards:	Vapors may travel back to ignition source. Closed containers exposed to heat may explode. Extremely flammable.	
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide.	
Section 6 Spill or Leak Procedures		
Steps to Take in Case Material Is Released or Spilled:	No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS. Ventilate the contaminated area.	

Sample Safety Data Sheet (1st Page)

What's new?

Material Safety Data Sheets (MSDS) are being replaced with new Safety Data Sheets (SDS). SDS's will contain the same information as found in a current MSDS in a new format.



Benefits

New SDS's will be consistent and will match information found on the container label. The change-over to new SDS's has begun and will take several years.



MSDS/SDS
are available from
your Department Foreman.

Section 5	FIRE FIGHTING MEASURES: This section provides recommendations for fighting a fire caused by the chemical, including suitable extinguishing equipment, provisions for unique circumstances, fire-fighter protective equipment and other relevant information.
Section 6	ACCIDENTAL RELEASE MEASURES: This section provides recommendations on the appropriate response to spills, leaks or releases - including containment and clean-up practices to prevent or minimize exposure to people, properties or the environment.
Section 7	HANDLING AND STORAGE: This section provides guidance on the safe handling practices and conditions for safe storage of chemicals including precautions for safe handling, minimizing the release of the chemical into the environment and providing advice on general hygiene practices.
Section 8	EXPOSURE CONTROLS/PERSONAL PROTECTION: This section indicates the recognized exposure limits, engineering controls/work practices and personal protective measures that can be used to minimize worker exposure.
Section 9	PHYSICAL AND CHEMICAL PROPERTIES: This section describes the chemical's characteristics such as its normal appearance, odor, solubility, boiling, melting and freezing points (to list a few).
Section 10	STABILITY AND REACTIVITY: This section describes the reactivity hazards of the chemical and the chemical's stability information. It's broken into three parts: reactivity, chemical stability and other. Reactive chemical information would indicate if the material could vigorously polymerize, decompose, condense or will become self-reactive under certain conditions; chemical stability information will indicate whether the chemical is stable or unstable, including potential hazardous conditions; other information would include possible hazardous reactions, conditions to avoid, incompatible materials and any hazardous decomposition products.
Section 11	TOXICOLOGICAL INFORMATION: This section identifies toxicological and health effects information or indicates such data is not available. Information includes: potential routes of exposure, known health effects and symptoms, the numerical measures of toxicity and if the chemical has been identified to have any cancer-causing properties.
Section 12	ECOLOGICAL INFORMATION: (non-mandatory)
Section 13	DISPOSAL CONSIDERATIONS: (non-mandatory)
Section 14	TRANSPORTATION: (non-mandatory)
Section 15	REGULATORY INFORMATION: (non-mandatory)
Section 16	"OTHER" INFORMATION: (non-mandatory)

Health Hazard  <ul style="list-style-type: none"> • Carcinogen • Mutagenicity • Reproductive Toxicity • Respiratory Sensitizer • Target Organ Toxicity • Aspiration Toxicity 	Flame  <ul style="list-style-type: none"> • Flammables • Pyrophorics • Self-Heating • Emits Flammable Gas • Self Reactives • Organic Peroxides 	Exclamation Mark  <ul style="list-style-type: none"> • Irritant (skin and eye) • Skin Sensitizer • Acute Toxicity (harmful) • Narcotic Effects • Respiratory Tract Irritant • Hazardous to Ozone Layer (Non-Mandatory)
Gas Cylinder  <ul style="list-style-type: none"> • Gases Under Pressure 	Corrosion  <ul style="list-style-type: none"> • Skin Corrosion/Burns • Eye Damage • Corrosive to Metals 	Exploding Bomb  <ul style="list-style-type: none"> • Explosives • Self-Reactives • Organic Peroxides
Flame Over Circle  <ul style="list-style-type: none"> • Oxidizers 	Environment  <ul style="list-style-type: none"> • Aquatic Toxicity 	Skull and Crossbones  <ul style="list-style-type: none"> • Acute Toxicity (fatal or toxic)

CODE _____ Product Name _____ } Product Identifier Company Name _____ Street Address _____ City _____ State _____ Postal Code _____ } Supplier Identification	Hazard Pictograms  Signal Word Danger Highly flammable liquid and vapor. May cause liver and kidney damage. } Hazard Statements
Keep container tightly closed. Store in a cool, well-ventilated place that is locked. Keep away from heat/sparks/open flame. No smoking. Only use non-sparking tools. Use explosion-proof electrical equipment. Take precautionary measures against static discharge. Ground and bond container and receiving equipment. Do not breathe vapors. Wear protective gloves. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Dispose of in accordance with local, regional, national, international regulations as specified. In Case of Fire: use dry chemical (BC) or Carbon Dioxide (CO ₂) fire extinguisher to extinguish. First Aid If exposed call Poison Center. If on skin (or hair): Take off immediately any contaminated clothing. Rinse skin with water.	Precautionary Statements Supplemental Information Directions for Use _____ _____ _____ Fill weight: _____ Lot Number: _____ Gross weight: _____ Fill Date: _____ Expiration Date: _____

New Container Label

