

RIVERSIDE COUNTY

Requirements for the Revised Hazard Communication Standard
Employee Training Documentation

Training Subject: Globally Harmonized System: Labeling and Standardization format for Safety Data Sheets (SDS's), formerly known as Material Safety Data Sheets (MSDSs)

Training Materials: Power Point, Sample SDS

Department: Parks District

I, (PRINT NAME) _____ hereby acknowledge that I have received training as described in the following areas:

New GHS label elements listed below

(Initials)

- Product Identifier
- Signal word
- Pictograms
- Hazard Statements
- Precautionary Statements

The GHS SDS standardized 16-section format

(Initials)

Section 1	Identification	Section 9	Physical and chemical properties
Section 2	Hazard(s) identification	Section 10	Stability and reactivity
Section 3	Composition/information on ingredients	Section 11	Toxicological information
Section 4	First-aid measures	Section 12	Ecological information*
Section 5	Fire-fighting measures	Section 13	Disposal considerations*
Section 6	Accidental release measures	Section 14	Transport information*
Section 7	Handling and storage	Section 15	Regulatory information
Section 8	Exposure controls/personal protection	Section 16	Other information
*Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15(29 CFR 1910.1200(g)(2)).			

Employee Signature

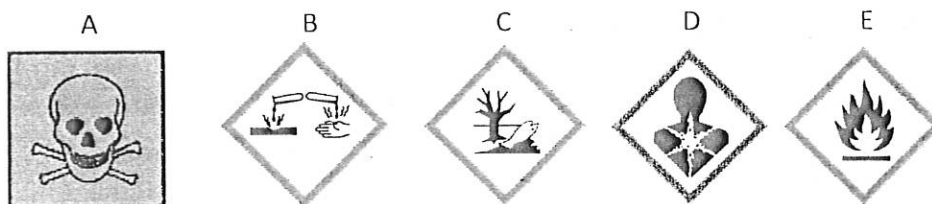
Date

Part I: Multiple Choice

- As of _____, the HCS will require new SDSs to be in a uniform format, and include the section numbers, the headings, and associated information.
 - July 4th 2015
 - December 25th 2013
 - June 1st 2015
 - January 1st 2015
- Section 5 of a Safety Data Sheet on a product from Japan will include information about:
 - Handling and Storage
 - Toxicological Information
 - Product Identification
 - Firefighting Measures
- An SDS consists of ____ sections
 - 12
 - 16
 - 25
 - 100

Part II: T/F-True/False

- The numbering category system on the GHS ranking severity is the same as the NFPA.
- Under the GHS system, information on a product is structured the same, regardless of its origin.

Part III: Matching-Match the pictogram with the correct description.

- Which pictogram describes a product as being hazardous to our environment?

A	B	C	D	E
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- Under the SDS system, a product that is extremely poisonous will display this pictogram.

A	B	C	D	E
---	---	---	---	---
- This pictogram represents a chemical that is extremely corrosive.

A	B	C	D	E
---	---	---	---	---
- A flammable product is likely to have this pictogram affixed to its container.

A	B	C	D	E
---	---	---	---	---
- Which diagram denotes a substance as being a health hazard?

A	B	C	D	E
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GHS SAFETY DATA SHEET

WELD-ON® 763™ Low VOC Styrene Rubber Cement

Date Revised: FEB 2010

Supersedes: OCT 2009

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WELD-ON® 763™ Low VOC Styrene Rubber Cement

PRODUCT USE: Low VOC Styrene Rubber Cement

SUPPLIER:

MANUFACTURER: IPS Corporation

17109 South Main Street, Carson, CA 90248-3127

P.O. Box 379, Gardena, CA 90247-0379

Tel. 1-310-898-3300

EMERGENCY: Transportation: Tel. 800.424.9300, 703.527.3887 CHEMTREC (International)

Medical: Tel. 800.451.8346, 760.602.8703 3E Company (International)

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Health		Environmental		Physical	
Acute Toxicity:	Category 4	Acute Toxicity:	None Known	Flammable Liquid	Category 2
Skin Irritation:	Category 3	Chronic Toxicity:	None Known		
Skin Sensitization:	NO				
Eye:	Category 2B				

GHS LABEL:



OR

Signal Word:
Danger

WHMIS CLASSIFICATION: CLASS B, DIVISION 2

Hazard Statements

H225: Highly flammable liquid and vapor

H319: Causes serious eye irritation

H332: Harmful if inhaled

H335: May cause respiratory irritation

H336: May cause drowsiness or dizziness

EUH019: May form explosive peroxides

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P280: Wear protective gloves/protective clothing/eye protection/face protection

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P403+P233: Store in a well ventilated place. Keep container tightly closed

P501: Dispose of contents/container in accordance with local regulation

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS#	EINECS #	REACH	CONCENTRATION
			Pre-registration Number	% by Weight
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	05-2116297728-24-0000	54 - 71

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing.

* Indicates this chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372).

SECTION 4 - FIRST AID MEASURES

Contact with eyes:	Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.
Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice.
Inhalation:	Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.
Ingestion:	Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.	HMIS	NFPA	0-Minimal
Unsuitable Extinguishing Media:	Water spray or stream.	Health	2	1-Slight
Exposure Hazards:	Inhalation and dermal contact	Flammability	3	2-Moderate
Combustion Products:	Oxides of carbon, hydrogen chloride and smoke	Reactivity	0	3-Serious
Protection for Firefighters:	Self-contained breathing apparatus or full-face positive pressure airline masks.			4-Severe

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:	Keep away from heat, sparks and open flame. Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment. Prevent contact with skin or eyes (see section 8).
Environmental Precautions:	Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.
Methods for Cleaning up:	Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.
Materials not to be used for clean up:	Aluminum or plastic containers

SECTION 7 - HANDLING AND STORAGE

Handling:	Avoid breathing of vapor, avoid contact with eyes, skin and clothing. Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods. Do not eat, drink or smoke while handling.
Storage:	Store in ventilated room or shade below 44°C (110°F) and away from direct sunlight. Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates. Follow all precautionary information on container label, product bulletins and solvent cementing literature.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL:
	Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	

Engineering Controls: Use local exhaust as needed.

Monitoring: Maintain breathing zone airborne concentrations below exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Avoid contact with eyes, wear splash-proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as may be appropriate for the exposure.

Skin Protection: Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion. Use of solvent-resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.

Respiratory Protection: Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above. With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Milky, medium syrupy liquid
 Odor: Ketone
 pH: Not Applicable
 Melting/Freezing Point: 86 °C (187 °F) Based on first melting component: MEK
 Boiling Point: 80 °C (176 °F) Based on first boiling component: MEK
 Flash Point: -9 °C (16 °F) TCC based on MEK
 Specific Gravity: 0.880 @23 °C (73 °F)
 Solubility: Solvent portion soluble in water. Resin portion separates out.
 Partition Coefficient n-octanol/water: Not Available
 Auto-ignition Temperature: 515 °C (959 °F) based on MEK
 Decomposition Temperature: Not Applicable
 VOC Content: When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 490 g/l.

Odor Threshold: 5.4 ppm (MEK)
 Boiling Range: 80 °C (176 °F)
 Evaporation Rate: > 1.0 (BUAC = 1)
 Flammability: Category 2
 Flammability Limits: LEL: 1.4% based on MEK
 UEL: 11.4% based on MEK
 Vapor Pressure: 78 mm Hg @ 20 °C (68 °F) MEK
 Vapor Density: >2 (Air = 1)
 Other Data: Viscosity: Medium bodied

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable
 Hazardous decomposition products: None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
 Conditions to avoid: Keep away from heat, sparks, open flame and other ignition sources.
 Incompatible Materials: Oxidizers, strong acids and bases, amines, ammonia

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Eye and Skin Contact
 Acute symptoms and effects:
 Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
 Eye Contact: Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.
 Skin Contact: Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.
 Ingestion: May cause nausea, vomiting, diarrhea and mental sluggishness.
 Chronic (long-term) effects: None known to humans
 Toxicity: LD₅₀ LC₅₀
 Methyl Ethyl Ketone (MEK) Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit) Inhalation 8 hrs. 23,500 mg/m³ (rat)

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: None Known
 Mobility: In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of ≤ 490 g/l.
 Degradability: Biodegradable
 Bioaccumulation: Minimal to none.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name: Adhesives
 Hazard Class: 3
 Secondary Risk: None
 Identification Number: UN 1133
 Packing Group: PG II
 Label Required: Class 3 Flammable Liquid
 Marine Pollutant: NO

EXCEPTION for Ground Shipping
 DOT Limited Quantity: Up to 5L per inner packaging, 30 kg gross weight per package.
 Consumer Commodity: Depending on packaging, these quantities may qualify under DOT as "ORM-D".

TDG INFORMATION	
TDG CLASS:	FLAMMABLE LIQUID 3
SHIPPING NAME:	ADHESIVES
UN NUMBER/PACKING GROUP:	UN 1133, PG II

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information: Highly Flammable, Irritant
 Symbols: F, Xi
 Risk Phrases: R11: Highly flammable.
 R20: Harmful by inhalation.
 R36/37: Irritating to eyes and respiratory system.
 Safety Phrases: S9: Keep container in a well-ventilated place.
 S16: Keep away from sources of ignition - No smoking.
 S25: Avoid contact with eyes.

Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)
 R66: Repeated exposure may cause skin dryness or cracking
 R67: Vapors may cause drowsiness and dizziness
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S33: Take precautionary measures against static discharges.
 S46: If swallowed, seek medical advice immediately and show this container or label.

SECTION 16 - OTHER INFORMATION

Specification Information:
 Department issuing data sheet: IPS, Safety Health & Environmental Affairs
 E-mail address: <EHSinfo@psc corp.com>
 Training necessary: Yes, training in practices and procedures contained in product literature.
 Reissue date / reason for reissue: 2/23/2010 / Updated GHS Standard Format
 Intended Use of Product: Adhesive for bonding/cementing Styrene plastic piping and fittings

All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.