

ARE YOU READY FOR...

NEW GHS GUIDELINES?

OSHA has adopted the Globally Harmonized System of Classification and Labeling (GHS). This system will change how manufacturers and employers communicate potential chemical hazards to employees. The new GHS-formatted Safety Data Sheet (SDS) is an expanded, international format which provides employers with health, safety and environmental information about a specific product.





Lincoln Electric will provide customers:

- GHS-formatted SDS documents via web, mobile device or email.
- Automatic email alerts regarding SDS updates and product changes.
- Included in every package is a Safe Use Guide (SUG), an informational guide to safely use our products.

ACT NOW!

Contact your Lincoln Electric representative today and register to receive GHS-formatted SDS documents via email.

Additional information at: www.lincolnelectric.com/sds

LINCOLN ELECTRIC THE WELDING EXPERTS		SAFE USE GUIDE Submerged Arc Flux	Date: 20 Mar 2014 SUG No. SUG001 Version: 2.0
IMPORTANT: This Guide contains important safety and health information – READ Both Sides. Before welding, please read and understand the Warnings and Instructions on the Product Container and the Safety Data Sheet (SDS), previously MSDS, for the product you are using. See your Safety Director or Supervisor to obtain a copy of the SDS. You may also obtain a copy of the SDS and sign up to receive update alerts at www.lincolnelectric.com/sds or from your Lincoln Electric Distributor.			
WELDING SAFETY		WARNING	
HAZARD	SAFETY PRACTICES		
Electric shock can kill 	<ul style="list-style-type: none">• Wear dry gloves free of holes or spill soams. Change as necessary to keep gloves dry.• Do not touch electrically "hot" parts or welding electrode with bare skin or wet clothing.• Insulate yourself from the work piece and ground using dry plywood, rubber mats or other dry insulation.• If the area is wet and your body cannot be insulated from work piece with dry insulation, use a semi-automatic, constant-voltage welder or stick welder with voltage reducing device.• Keep electrode holder and cable insulation in good condition. Do not use if insulation is damaged/deteriorating.		
Fumes and gases can be dangerous 	<ul style="list-style-type: none">• Read the warnings and instructions on the consumable label and Safety Data Sheet (SDS) available in the workplace (ask your supervisor). Provide additional ventilation and exhaust where special ventilation is needed or if welding in a confined area.• Know what the base metal is, and determine if there is any paint, plating, or coating that could expose you to toxic fumes and/or gases. Remove it from the metal being welded, if possible.• Position your head away from the welding fume plume to keep the amount of fume you breathe as low as possible.• Use adequate ventilation and/or exhaust to keep the air you breathe clear and comfortable. Your work area should have enough ventilation and/or local exhaust at the arc to control your exposure to the welding fumes and gases so the applicable exposure limits are not exceeded. If you have any concern about ventilation or your exposure level, ask your employer to confirm that exposures do not exceed those limits by obtaining and analyzing a representative sample of air in the breathing zone.• If you start to feel uncomfortable, dizzy or nauseous, you may be overexposed to fumes and gases, or suffering from oxygen deficiency. Stop welding and get some fresh air immediately. Notify your supervisor and co-workers so the situation can be corrected and other workers can avoid the hazard. Be sure you are following these safe practices, the consumable labeling and SDS and improve the ventilation in your area. Do not resume welding until the situation has been corrected.• Use a respirator if exposure to welding fume cannot be controlled or if welding outside and natural air movement is not enough to keep welding fume out of your breathing zone.		
Welding sparks can cause fire or explosion 	<ul style="list-style-type: none">• Do not weld on containers which have held combustible materials unless procedures for the safe welding and cutting of such containers are carefully followed (see AWS F-1).• Remove flammable materials from welding area or shield from sparks & heat.• Keep a fire watch in area during and after welding.• Keep a fire extinguisher in the welding area.• Wear flame resistant clothing and headgear that is free of frayed edges.		
Arc rays, sparks & spatter can burn eyes and skin 	<ul style="list-style-type: none">• Select a proper filter lens which is comfortable for you while welding.• Always use a helmet when welding.• Wear flame resistant clothing which provides full coverage for your skin while welding.• Use earplugs when welding to keep sparks and spatter from damaging your ears.• Use non-flammable welding screens to protect others.		

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CUSTOMER ASSISTANCE POLICY

The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.