



Hazard Communication, SDS, and Chemical Safety Guide

Category: HazCom

Audience: Safety, supervisors, operators, maintenance

Badge: SDS

Planning guide for SDS access, chemical labels, anti-spatter compounds, coolants, cleaners, oils, gases, and welding-related chemical exposures.

Important limitation: This document is a general planning aid only. It does not replace OSHA requirements, employer safety programs, equipment manuals, SDS review, qualified risk assessment, training, lockout/tagout procedures, PPE selection, or competent safety review.

SDS Access

- Ensure SDS are available for welding wire, anti-spatter, coolant, cleaners, oils, gases, paints, coatings, and maintenance chemicals.
- Review SDS before introducing new chemicals to the robotic welding area.

Labeling and Storage

- Keep containers labeled and closed when not in use.
- Store chemicals away from heat, spatter, ignition sources, incompatible materials, and traffic damage.

Use and Disposal

- Use PPE and ventilation based on SDS and site requirements.
- Dispose of contaminated rags, wire, filters, coolant, and containers according to site procedures.

Field Checklist

Item	Verified	Notes
SDS available		
Containers labeled		
Storage reviewed		
PPE reviewed		
Ventilation reviewed		
Waste procedure known		
New chemicals approved		

Reference Basis

- OSHA 29 CFR 1910 Subpart Q - Welding, Cutting and Brazing.
- OSHA 29 CFR 1910.147 - Control of Hazardous Energy (Lockout/Tagout).
- NIOSH welding fume and manganese exposure resources.
- RAS equipment planning information for robotic arc welding systems using 480V / 60Hz / 3-phase power, RAS-500PR power supply, water-cooled torch packages, torch cleaning, and wire cutting stations.

Revision: RAS Safety Knowledge Base expanded safety resource set. Verify against current site-specific rules before use.