

HSE Management System

GHS – Hazardous Communication Standards

Prepared	Reviewed	Approved	Effective Date	Version No.
Carol Stallworth, Safety Specialist	Sam Cross, SVP - Americas	Sam Cross, SVP - Americas	9/24/19	10

Important Notice:

1. This procedure is a Controlled Document and shall not be amended without the authority of the Safety Specialist – North America.
2. Any queries or feedback concerning the contents of this Procedure should be addressed to the Safety Specialist – North America.
3. This document is rendered null and void upon print.

INDEX

- 1.0 PURPOSE
- 2.0 SCOPE
- 3.0 RESPONSIBILITY
- 4.0 OBJECTIVE
- 5.0 ASSIGNMENT OF RESPONSIBILITY
- 6.0 PROGRAM
- 7.0 TRAINING
- 8.0 STORAGE
- 9.0 NON-ROUTINE TASKS
- 10.0 PROGRAM COMPLIANCE
- 11.0 MULTI-EMPLOYER WORKPLACE
- 12.0 ACKNOWLEDGEMENT OF RECEIPT OF HAZARD COMMUNICATION TRAINING

1.0 OBJECTIVE

The objective of this program is to set forth policies and procedures concerning Airswift Globally Harmonized System Standards which are based on the hazard communication system of classification and labeling chemicals. This policy will enhance the safety and well-being of Airswift employees while working at a Host Client site. Furthermore, execution of this program is designed to help Airswift comply with the Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard.

2.0 ASSIGNMENT OF RESPONSIBILITY

The Safety Department is responsible for insuring that responsible person noted herein adhere to this program and report properly.

2.1 HOST CLIENT HSE DEPARTMENT

Is responsible for developing, maintaining and sharing with contractors a complete hazardous chemical inventory list and the corresponding Safety Data Sheets for their specific site. Host Client will ensure Contractor are trained on where to find their Safety Data Sheets.

2.2 AIRSWIFT CONTRACTORS

Is responsible for developing, maintaining and sharing with Host Client HSE Department a complete hazardous chemical inventory list and the corresponding Safety Data Sheets for specific chemicals they bring onto the client site.

3.0 PROGRAM

The following items are to be followed to ensure compliance with the OSHA Hazard Communication Standard and the safety of our employees.

3.1 HAZARDOUS CHEMICAL LIST

A list of the hazardous materials and chemicals used in the course of the Airswift employee workplace activities will be maintained and updated by the Host Client's Health Department. Any change in worksite hazards, Airswift contract employees will notify the Host Client's HSE Department and their Airswift Service Consultant to ensure all employees are properly trained.

3.2 SAFETY DATA SHEETS – SDS

Airswift Safety Department will communicate with the Host Client's HSE Department to ensure the client site SDSs are organized, up to date and available to all Airswift employees at free will. It is the responsibility of the Host Client's HSE Department to update and maintain the SDSs for client worksites.

If a hazardous chemical or substance is received without a proper SDS, the receiving person will immediately notify the Host client HSE Department immediately to contact the manufacturer or distributor of the product. If the manufacturer or distributor is unable to produce an SDS, the Host Client HSE Manager will have the product returned to the supplier.

3.2.1 SECTIONS ON A SAFETY DATA SHEET


The Globally Harmonized System (GHS) requires chemical manufacturers, distributors, or importers to provide Safety Data Sheets (SDSs) to communicate the hazards of chemical products. GHS requires SDSs to be in a uniform format that must include the section numbers, headings, and associated information listed below:

3.2.2 SAFETY DATA SHEET SECTIONS

<p><u>Section 1, Identification</u> Includes product identifier; manufacturer or distributor name, address, phone number; emergency phone number; recommended use; and restrictions on use.</p>	<p><u>Section 2, Hazard(s) identification</u> Includes all hazards regarding the chemical and required label elements.</p>
<p><u>Section 3, Composition/information on ingredients</u> Includes information on chemical ingredients and trade secret claims.</p>	<p><u>Section 4, First-aid measures</u> Includes important symptoms/effects, including acute or delayed and required treatment.</p>
<p><u>Section 5, Fire-fighting measures</u> Lists suitable extinguishing techniques and equipment and chemical hazards from fire.</p>	<p><u>Section 6, Accidental release measures</u> Lists emergency procedures; protective equipment; proper methods of containment; and cleanup.</p>
<p><u>Section 7, Handling and storage</u> Lists precautions for safe handling and storage, including incompatibilities.</p>	<p><u>Section 8, Exposure controls/PPE</u> Lists OSHA's Permissible Exposure Limits (PELs); Threshold Limit Values (TLVs); appropriate engineering controls; and personal protective equipment.</p>
<p><u>Section 9, Physical and chemical properties</u> Lists the chemical's characteristics.</p>	<p><u>Section 10, Stability and reactivity</u> Lists chemical stability and possibility of hazardous reactions.</p>
<p><u>Section 12, Ecological information*</u> <u>Section 13, Disposal considerations*</u> <u>Section 14, Transport information*</u></p>	<p><u>Section 15, Regulatory information*</u> <u>Section 16, Other information</u> Includes the date of preparation or last revision.</p>
<p>Employers must ensure that SDSs are readily accessible to employees. *Note: Since other agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 of 29 CFR 1910.1200(g)(2).</p>	

3.2.3 SAMPLE SDS SHEET

Causes serious eye irritation



1

MSDS = Clorox Bleach

Appearance Clear, pale yellow **Physical State** Liquid **Odor** Citrus, herbaceous, bleach

Precautionary Statements - Prevention
Wash hands and any exposed skin thoroughly after handling.
Wear eye protection/face protection such as safety glasses.

Precautionary Statements - Response

Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin
If skin irritation occurs: Get medical advice/attention.

Precautionary Statements - Storage
None

Precautionary Statements - Disposal
None

Hazards not otherwise classified (HNOC)
The following medical conditions may be aggravated by exposure to high concentrations of vapor or mist: heart conditions or chronic respiratory problems such as asthma, emphysema, or obstructive lung disease.

Unknown Toxicity
0.08% of the mixture consists of ingredient(s) of unknown toxicity.

Other information
Toxic to aquatic life with long lasting effects

Interactions with Other Chemicals
Reacts with other household chemicals such as products containing ammonia, toilet bowl cleaners, rust removers, or acids to produce hazardous gases, such as chlorine and other chlorinated compounds.

2

3

3. COMPOSITION/INFORMATION ON INGREDIENTS			
Chemical Name	CAS-No	Weight %	Trade Secret
Sodium hypochlorite	7681-52-9	1 - 5	*
Sodium hydroxide	1310-73-2	0.1 - 1	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

3.3 LABELING AND PICTOGRAMS

Each container of a hazardous chemical must be properly labeled with the identity of the hazardous material, the appropriate hazard warnings, pictogram(s), signal word(s), and the name and address of the manufacturer. Appropriate labels must be on all containers, regardless of size. Containers must be approved and recommended for storage and/or dispensing of the hazardous chemicals contained in them.

Worn and torn labels must be replaced. It is the responsibility of employees to report inappropriate labels to their supervisor. It is the responsibility of Host Client's HSE Department to ensure that appropriate labels are in place and that replacement labels are available.

3.3.1 SECONDARY CONTAINER LABELING

Secondary containers are smaller than the original chemical container usually include spray bottles, jugs or jars. These containers hold chemicals that are transferred from a primary container. Secondary container must include the same product SDS label as the original container. GHS labeling does not have to include the following:

- Manufacturer's name and address
- Precautionary statements
- Hazardous statements

3.3.2 SAMPLE LABELS

The Basic Parts of A GHS-Compliant Label



1 → **n-Propyl Alcohol**

UN No. 1274
CAS No. 71-23-8

2 → **DANGER**

3 → Highly flammable liquid and vapor. Causes serious eye damage. May cause drowsiness and dizziness.

4 → Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing fumes/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing.

Fill Weight: 18.65 lbs. Lot Number: B56754434
Gross Weight: 20 lbs. Fill Date: 6/21/2013
Expiration Date: 6/21/2020

5 → Acme Chemical Company • 711 Roadrunner St. • Chicago, IL 60601 USA • www.acmechem.com • 123-444-5567










6 → See SDS for further information.

- 1. Product Identifier** - Should match the product identifier on the Safety Data Sheet.
- 2. Signal Word** - Either use "Danger" (severe) or "Warning" (less severe)
- 3. Hazard Statements** - A phrase assigned to a hazard class that describes the nature of the product's hazards
- 4. Precautionary Statements** - Describes recommended measures to minimize or prevent adverse effects resulting from exposure.
- 5. Supplier Identification** - The name, address and telephone number of the manufacturer or supplier.
- 6. Pictograms** - Graphical symbols intended to convey specific hazard information visually.



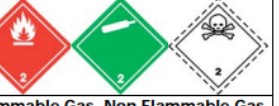






3.3.3 PICTOGRAMS AND HAZARDS

Pictograms are part of the international Globally Harmonized System of Classification and Labelling of Chemicals. There are two sets included in the GHS, labeling of containers and workplace hazard warning and transportation of dangerous goods.

3.3.3.1 CONTAINER LABELING OF WORKPLACE HAZARDS

GHS PICTOGRAMS		
Health Hazard Carcinogens, respiratory sensitisers, reproductive toxicity, target organ toxicity, germ cell mutagens 	Flame Flammable gases, liquids, & solids; self-reactives; pyrophorics; 	Exclamation Mark Irritant, dermal sensitiser, acute toxicity (harmful) 
Gas Cylinder Compressed gases; liquefied gases; dissolved gases 	Corrosion Skin corrosion; serious eye damage 	Exploding Bomb Explosives, self-reactives, organic peroxides 
Flame Over Circle Oxidisers gases, liquids and solids 	Environment Aquatic toxicity 	Skull & Crossbones Acute toxicity (severe) 

3.3.3.2 TRANSPORTATION OF DANGEROUS GOODS

Transport "Pictograms"		
		
	Explosive Divisions 1.4, 1.5, 1.6	Flammable Gas, Non Flammable Gas, and Toxic Gas
		
Flammable Liquid	Flammable Solid, Spontaneously Combustible, and Dangerous When Wet	Oxidizing Gases, Oxidizing Liquids, and Oxidizing Solids
		
Organic Peroxides	Acute Toxicity (Poison): Oral, Dermal, Inhalation	Corrosive

4.0 TRAINING

Prior to starting work, each Airswift employee is required to attend GHS – Hazardous Communication Training. Training will include the following topics:

- 4.1 Identified hazardous chemicals in the workplace
- 4.2 How to recognize exposure to hazardous chemicals
- 4.3 Safety Sheet format and content

- 4.4 How to access SDSs
- 4.5 How to obtain a copy of the GHS Hazardous Communication program
- 4.6 Workplace labeling system and to ensure containers are labeled
- 4.7 Product identifier – how hazardous chemical is identified
- 4.8 Signal Work – used to indicate the relative level of severity
- 4.9 Precautionary statement – phrase to describe recommended measures that should be taken to minimize or prevent adverse effects resulting from exposure.
- 4.10 Pictogram – eight required specific shaped image to indicate visual hazard.
- 4.11 Hazard statement – describe the nature of the hazard of a chemical, including the degree of the hazard.
- 4.12 Personal protective equipment required
- 4.13 Proper work practices to assure proper use and handling of chemicals
- 4.14 Emergency Spill Response and Clean up
- 4.15 Proper reporting

(NOTE: If required, Department of Transportation (DOT) pictograms and identification placards should also be included in this training.)

Each affected employee working for or associated with Airswift is required to review the training material during the new hire onboarding training and sign the acknowledgment form, which will be placed in the employee's file. This training is to be done during the new employee orientation process before the new employee assumes status as an active employee.

Employees will receive in depth Host Client job specific training on any hazardous chemical/material in the workplace by the Host Client HSE Department before the chemical/material is used or when changes are made to the program.

Retraining will be required when a chemical hazard changes or when a new hazard is introduced into the workplace.

5.0 STORAGE

All storage areas for hazardous substances will be secured, properly ventilated, and identified by signs.

6.0 NON-ROUTINE TASKS

Before any non-routine task is performed, employees shall be advised and/or they must contact Host Client HSE Department for special precautions to follow and shall inform any other personnel who could be exposed.

If a non-routine task is necessary, Host Client HSE Department will provide the affected employees with information about the activity as it relates to the specific chemicals expected to be encountered:

- 6.1 Specific work instructions
- 6.2 Specific chemical name(s) and hazard(s);
- 6.3 Personal protective equipment required and safety measures to be taken;
- 6.4 Measures that have been taken to lessen the hazards including ventilation, respirators; and
- 6.5 Emergency procedures.

Host Client HSE Department will contact each contractor before work starts to gather and disseminate any information concerning chemical hazards the contractor is bringing into the workplace. The Host Client HSE Department will be responsible for documenting all processes as it relates to non-routine tasks and share a copy with Airswift Contractors and Service Consultants.

7.0 PROGRAM COMPLIANCE

Any direct or intentional violation or non-compliance with this program may result in the termination of the person or persons involved in accordance with company policy.

8.0 MULTI-EMPLOYER WORKPLACE

It is the responsibility of the Host Client HSE Department to provide contract employers of any other employees at the work site with the following information:

- 8.1 Copies of SDSs (or make them available at a central location) for any hazardous chemicals that the other employer(s)' employee may be exposed to while working.
- 8.2 Inform other employers of any precautionary measures that need to be taken to protect employees during normal operating conditions or in foreseeable emergencies.
- 8.3 Provide other employers with an explanation of the labeling system that is used at the work site.

9.0 ACKNOWLEDGEMENT OF RECEIPT OF HAZARD COMMUNICATION TRAINING

My signature below acknowledges I have received training concerning Hazard Communications. I understand that this training fulfills the employee training requirement of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard.

The jobsite and classroom training included the following:

- 9.1 Understanding the purpose and scope of the OSHA Hazard Communication Standard.
- 9.2 Explanation of the existence of federal, state and local right-to-know laws.
- 9.3 Definition of the classification “hazardous chemical.”
- 9.4 Explanation of situations and elements that must be present for a material to be considered a health hazard.
- 9.5 Explanation and interpretation of labels, what is required on all containers, and the Hazard Materials Identification System (HMIS).
- 9.6 Understanding and interpretation of Safety Data Sheets and pictogram(s).
- 9.7 My responsibilities as an employee of Airswift .
- 9.8 Policies and procedures to follow in case of exposure.

Employee Name: _____

Employee Signature: _____ Date of Training: _____