





Safety Data Sheet (SDS) Management Procedure

Internal

## 1. Objective

The purpose of this procedure defines the requirements for developing and implementing a hazard communication program to provide information to employees concerning hazardous chemical to which they may be potentially exposed.

This procedure also describes managing and maintaining Safety data sheets (SDS) of chemicals / products utilized by PSS.

## 2. Scope

This procedure is applicable to all new and existing chemicals, PSS products and contractors' activities involving use of chemical substances in PSS.

## 3. Procedure Summary

SDS Management procedure briefly summaries about obtaining, validating, maintaining, updating, storing & display of safety data sheets and safety hazard operational cards/boards for all applicable chemicals and products for the main purpose of chemical hazard communication as stated by international laws.

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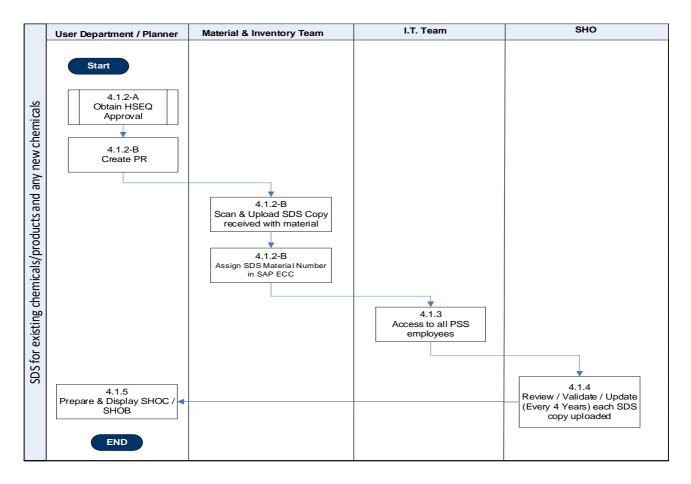




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## 4. SDS Management Process Workflow









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### 4.1 Procedure Clarifications

Ref.	Clarifications details
4.1.1	
	SDS Format (in-line with OSHA, GHS, ANSI, EU & other International Standards)
	The SDS includes information such as the properties of each chemical; the physical, health, and environmental health hazards; protective measures; and safety precautions for handling, storing, and transporting the chemical.
	The information contained in the SDS must be in English (although it may be in other languages as well). Hazard Communication Standard: Safety Data Sheets Sections 1 through 8 contain general information about the chemical, identification, hazards, composition, safe handling practices, and emergency control measures (e.g., firefighting).
	Sections 9 through 11 and 16 contain other technical and scientific information, such as physical and chemical properties, stability and reactivity information, toxicological information, exposure control information, and other information including the date of preparation or last revision.
	The SDS must also state that no applicable information was found when the preparer does not find relevant information for any required element. The SDS must also contain Sections 12 through 15, to be consistent with the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS), A description of all 16 sections of the SDS, along with their contents, is presented in Appendix- PR-SE-01-AP01 of this procedure.
4.1.2	SDS for existing chemicals/products and any new chemicals
	A. Prior to the introduction of a new chemical or hazardous material at QAPCO Operations, user department must obtain HSE approval from the HSEQ Division, as per chemical management procedure (PR-QSS-116).
	B. While creating purchase requisition (PR) for any hazardous material or chemical, planner must ensure to tick mark on mandatory requirement of SDS. While HSE Approved chemical/ material arrives at QAPCO warehouse, relevant team members from Inventory group shall scan and upload the pdf copy of SDS on SAP system. Once the data files have been uploaded on SAP, against each material numbers, the same information will be visible to all QAPCO users on intranet portal. See below Screenshots for each step:







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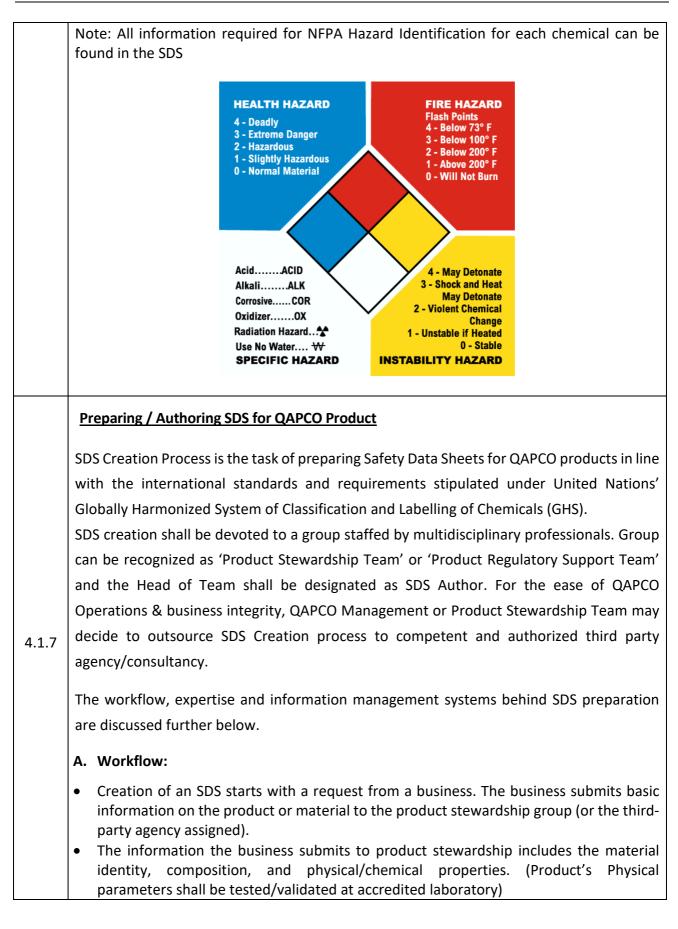






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- SDS authors begin to create the SDS with the information provided by the business, and then use available data to make hazard classifications. Often, authors use toxicology and other information for single chemicals to do an evaluation of the hazards of a mixture. Database used for obtaining the toxicological and other technical information, must be of authorized research & development institute or approved government agency.
- The primary goal of SDS authors is to produce up to date SDSs that thoroughly and accurately communicate the hazards of the subject material.
- After a draft SDS has been created, it goes through an established review process that may involve review by other product stewards and/or the requesting business or site. Product stewardship groups use a team approach to take advantage of the variety of expertise in the groups. Final SDSs are loaded into a database or other electronic repository (QAPCO intranet platform).
- The process for revising an SDS is basically the same as creating a new one. Revisions may be triggered by a formulation change, new information on hazards, or changes in regulations. QAPCO Product's SDSs must be revised at-least once in 4 years.
- B. Expertise:
- Product stewardship and SDS authoring group usually comprise professionals and technical staff with a variety of expertise, i.e. Professionals in chemistry, toxicology, industrial hygiene, occupational health, environmental science, and other relevant sciences. Team also may include pharmacists, regulatory professionals, quality control, and technical staff. Significant scientific and other professional resources and expertise are behind the content of each SDS. Proposed constitution of Product stewardship and SDS authoring Team at QAPCO:

QAPCO Product Stewardship and SDS authoring Team Members may include:

- Representatives from Operations, Process, TCS, Product Development & HSEQ.

If QAPCO Product Stewardship Team cannot find In-house competencies, then they may hire competent third-party agency for the purpose of SDS Creation.

### C. SDS Format, Distribution and Management:

- SDS must be written in English and follow the ANSI Z400.1-2004 and GHS Template which contains 16 separate sections each with clear information relating to the chemical being used, handled, stored, transported or disposed.
- Finalized SDSs must be published in hard copies and soft copies. Soft copies can be archived on QAPCO Intranet for access to all company users. Product SDS should also be pasted on company website for usage by worldwide clients.
- Management of SDS Creation, Publication and Revision lies with 'Product Stewardship Team'.







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## 5. Records

The owner / executor shall maintain the following records / documents for reference:

#	Document / Record name	Retention period	Retention policy	Retention method	Classification
1	SDS MS Procedure – PR-SE-01	5 years	ISO Achiever Backup system by IT	Soft Copy	Internal
2	QAPCO Intranet- SDS List (QAPCO Product SDS)	5 Years	Backup system by IT	Soft Copy	Internal
3	QAPCO Intranet- SDS List (Chemicals/ Materials)	5 Years	Backup system by IT	Soft Copy	Internal
4	PR-SE-01-AP-02 - SHOC FORMAT	5 years	Qapco Intranet Portal	Soft Copy	Internal

## 6. Document References / Attachments

#	Document ID	Document name	Summary of dependency or use
7.1	DOCUMENT REFERENCES		
1	29 CFR 1910.1200	OSHA	Toxic and Hazardous Substances, Subpart Z
2	ANSI Z400.1/Z129.1	ANSI	American National Standard for Hazardous Workplace Chemicals – Hazard Evaluation and Safety Data Sheet and Precautionary Labeling Preparation.
4	INS-253-ENV-02	Environmental Protection in QAPCO	Instructions for Environmental Protection in QAPCO (Requestor responsibilities)
5	ST/SG/AC.10/30 / Rev-9	United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)- 9th Edition	Overall
6	REACH EC 1907/2006- Updates 27.04.2021	Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)	Section 4.1.1, Format of SDS
7	PR-QSS-116	Procedure for chemical management	Section-4.1.2, HSE Approvals for new chemicals
7.2	ATTACHMENTS		
1	PR-SE-01-AP-01	SDS FORMAT (GHS)	
2	PR-SE-01-AP-02	SHOC FORMAT	Procedure Implementation
3	PR-SE-01-AP-03	NFPA LABELING	

## 7. IT System Requirements

#	IT system module name	Summary of IT system module use
1	SharePoint, SAP	QAPCO Intranet, SharePoint & SAP ECC- MSDS







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## 8. Abbreviations / Definitions

#	Abbreviation / Keyword	Definition summary
1	Chemical	Any substance, compound, or mixture, which potentially has physical or health hazards?
2	Chemical Inventory	A computerized inventory list of all chemicals at QAPCO by work location? The database can be accessed on the Public server/Intranet under the P//MSDS Link.
3	(Material) Safety Data Sheet- (M) SDS	A document that contains information on the potential health effects of exposure to chemicals, or other potentially dangerous substances, and on safe working procedures when handling chemical products
4	"New" Chemical	Any chemical not already listed on the chemical inventory at a specific work location or the index on the electronic database
5	Safety Hazard Operational Cards/Boards (SHOC/B):	A card and/or board that conveys a hazard of the chemical to employees.
6	NFPA 704	A standard System for the Identification of the Hazards of Materials for Emergency Response" is a standard maintained by the U.S based National Fire Protection Association (NFPA).
7	OSHA	Occupational Safety & Health Administration- United States
8	GHS, EU	Globally Harmonized System, European Union
9	ANSI	American National Standards Institute
10	SHO	Senior Hygiene Officer
11	SEM	Sustainability & Environment Department Manager
12	LWM	Logistics and Warehouse Manager
13	HSEQGM	Health, Safety, Environment & Quality Dept. Group Manager
14	CHSEQO	Chief HSEQ Officer
15	НоМ	Head of Medical
16	НОР	Head of Process
17	PSS	Petrochemical shared services (Qapco, Qatofin, QVC)

# 9. Revision History

Rev #	Date	Section No.	Reason for revision / modification
00	20/06/2016	various	Change of procedure number (previous no. PR-320-MED-11)
01	06/03/2022	all	Changed Procedure number from PR-253-ENV-01 to PR-SE-01. Revised the procedure as per new template requirement.