



Solving the Gap in Supplier Ingredient Disclosure

Amber Gentry-Upston, J62 HMMS, Program Manager, Defense Logistics Agency, Department of Defense

Tara J. Page, J62 HMMS, Deputy Program Manager, Defense Logistics Agency, Department of Defense

Jerri L. Bland, Ed.D., J62 HMMS, Project Management Consultant, Defense Logistics Agency, Department of Defense

Kevin P. Fenton, Ph.D., J62 HMMS, Systems Engineer Consultant, Defense Logistics Agency, Department of Defense

Sarah Henderson, CHHM, SEA, J62 HMMS, Business Solutions Consultant, Defense Logistics Agency, Department of Defense



The Department of Defense (DoD) Chemical Intelligence Program (CIP)

Program Overview:

Objective:

Obtain, process, and store digital data of the full formulation for all products (chemicals, articles, weapons, etc.) purchased by the DoD.

Program Sponsor:

Office of the Assistant Secretary of Defense (OASD)

Stakeholders:

All components with responsibility for compliance with the PACT Act, OSHA, EPCRA, TSCA, and other regulatory compliance measures.

Department Implementation Lead:

Defense Logistics Agency

Implementation Phase:

Proof of Concept (POC)

Implementation Approach:

1

Revise Contract Deliverables

Update Federal Standard 313 to require digital submission of full formulation/disclosure of safety data for chemicals & articles (phased approach).

2

Extract Data and Build Digital SDS Library

Single, authoritative database of safety data to protect the warfighter, civilians, and the environment.

3

Integrate Systems

Disseminate safety data to all DoD enterprise systems: acquisition, procurement, logistics, inventory, disposal, and remediation.

4

Build Chemical Intelligence

Aggregate data source for chemical intelligence reporting, compliance assessment, and decision making.

Implementation Challenges:

- Obtaining ingredient data beyond what is required reporting by current regulations.
- Obtaining full supply chain information to protect vital DoD functions.
- Maintaining pace with evolving emerging chemicals regulatory changes.
- Extensive scope with 35K+ vendors; some with multiple contracts.
- Sustainability, performance of the integration and reporting solutions

Implementation Benefits:

- Timely response to mission impacts from global emerging chemical regulatory actions.
- Improve management of supply chain risks and disruptions.
- Reduce lifecycle costs of weapon systems, platforms, equipment, and facilities.
- Maximize protection of the warfighter, civilians, and the environment.

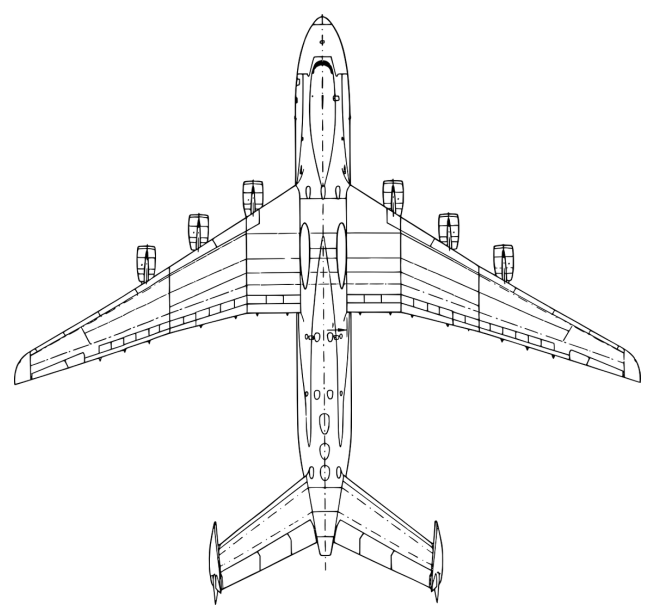
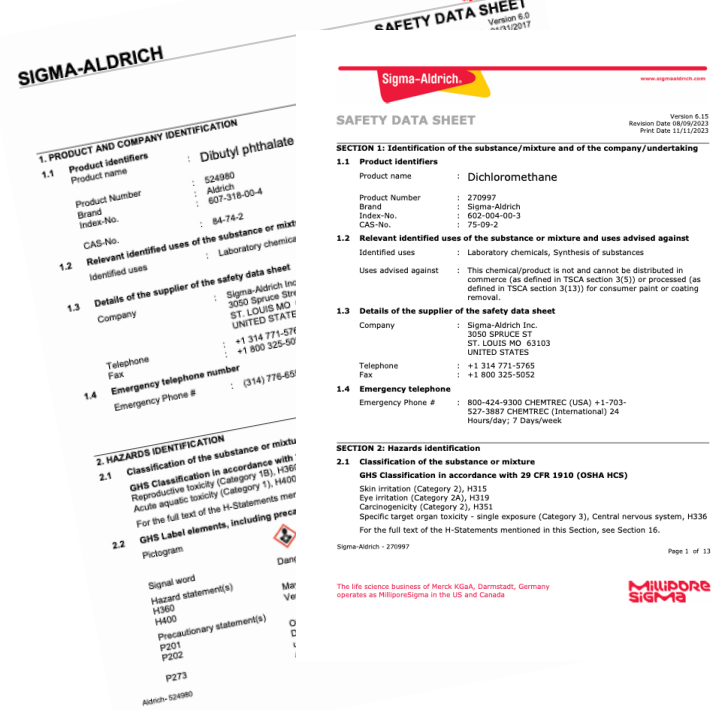
1

F-35 Contract Deliverables



Technical Data,
Process Hazards

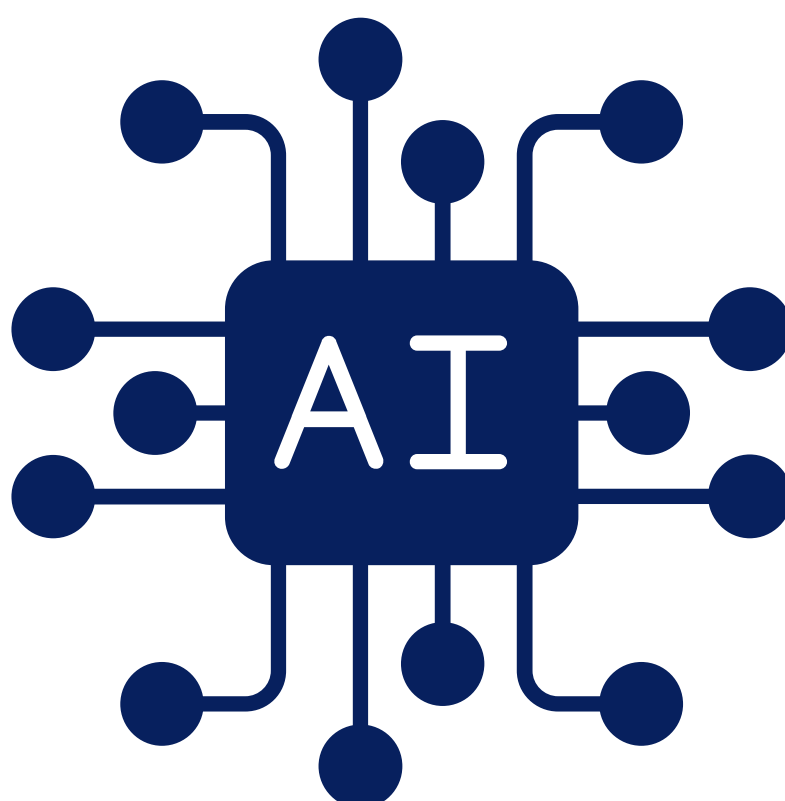
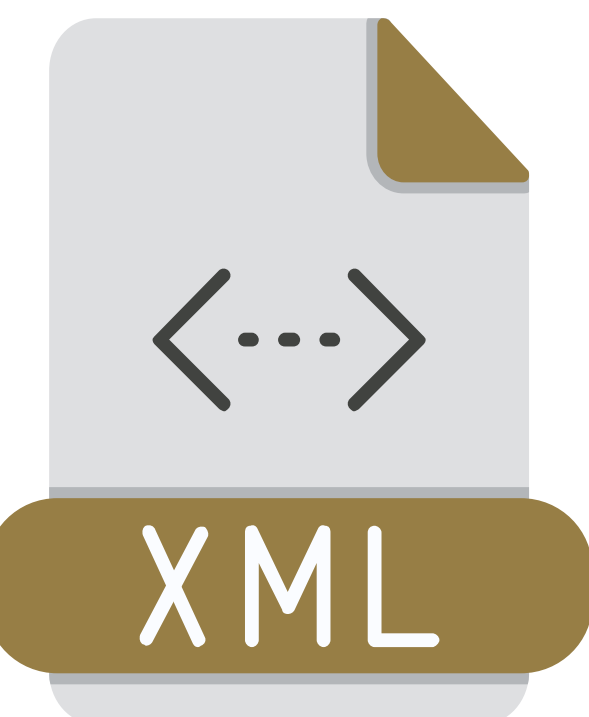
Safety Data,
Certificates of
Analysis



Bill of Materials,
Blueprints

2

Extract Data and Build Digital SDS Library



1-Methyl-2-pyrrolidone (NMP)
Paint Stripper

PIP(3:1)
Hydraulic Fluid

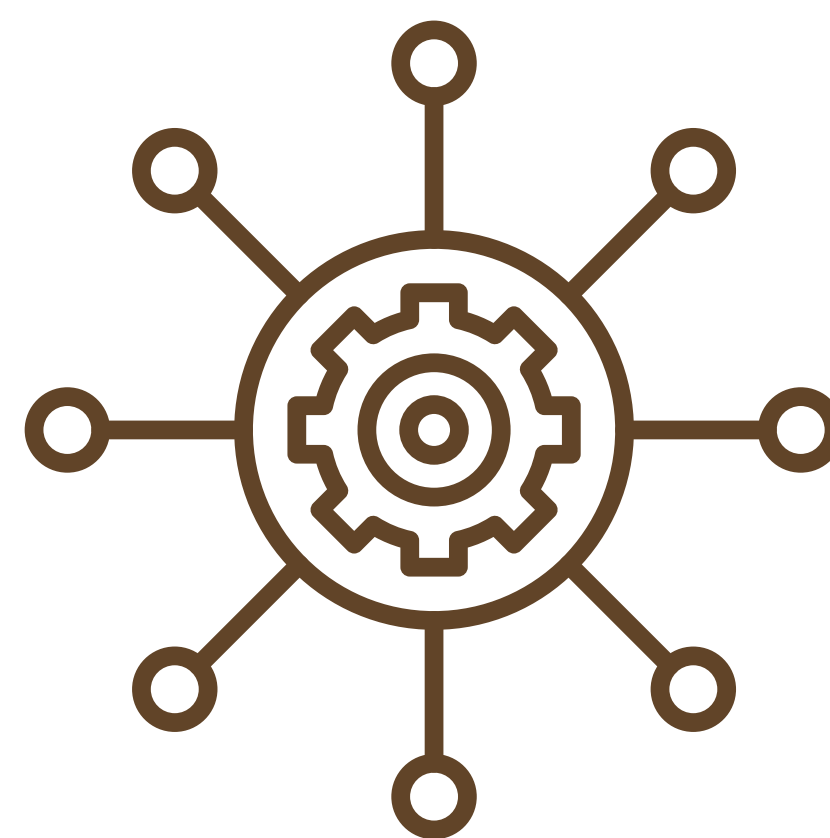
Dibutyl Phthalate (DBP)
Ejection seat cartridges

Methylene Chloride
Polymer Bonded Explosives

Trichloroethylene (TCE)
Battery separators

3

Integrate Systems



Defense Logistics Agency
Army
Navy
Air Force
Marines
Coast Guard
Veteran's Health Administration

4

Build Chemical Intelligence



CIP Proof of Concept Timeline 2023-2024

July 2023

September 2023

December 2023

February 2024

May 2024

Project Initiation,
Funding Approval

DoD XML Standard,
OCR POC Completed

Publish RFI,
POC Partners Identified

Extract Data
POC Completed

Chemical Intelligence
POC Completed