

Safety Data Sheet automation powered by CGI PulseAI



Unlock the full potential of Safety Data Sheet (SDS) data with automated content extraction. Create value from the automation of processes, including chemical approval, worker instructions, and hazard risk assessments.

Automate SDS content extraction

SDS automation powered by AI enhances business value through data capture automation, insights discovery, and transformative business process automation. By automating SDS content extraction, we help organizations reduce the manual effort needed to view, extract, analyze, capture, and report SDS data. SDS content extraction automation improves the consistency and accuracy of data capture and generates better business insights by making the data available to underlying systems.

Drive business value from data

Drive value through data capture automation, insights discovery, and transformative business process automation. By employing advanced artificial intelligence (AI) and machine learning (ML) technologies to turn unstructured and semi-structured document content into insightful business data.

End-to-end logical solution architecture

From data preparation to modeling the outcomes, we apply CGI PulseAI, our AI-driven platform, to automate SDS data capture. Our platform-agnostic service enables seamless integration from multiple sources to multiple platforms. Our tooling and industry expertise simplify data management for oil and gas, chemical, and other manufacturing use cases.



Automate SDS content extraction to deliver business value

We help organizations leverage the power of automation to view, extract, analyze, capture, and report SDS data with content extraction.

Our experts apply AI, ML, optical character recognition (OCR) and robotic process automation (RPA) to deliver a powerful, industry-aligned automation solution.

Managed services and support

SDS automation is offered in a cloud-enabled 'as a service' model for ease of implementation and scalability. CGI offers service management, application support, and application maintenance. Service components include ML, model training and tuning, exception handling, performance monitoring, and more.

Benefits of safety data sheet automation

Significantly reduce manual effort

Automate the effort spent by chemists, toxicologists, and industrial hygienists to free up time for higher-value tasks and increase employee satisfaction. Significantly reduce cycle time by capturing data to view, extract, analyze, and report.

Gain consistency and accuracy

Eliminate data silos and improve the consistency and accuracy of data capture across multiple business units, regions, or users.

Enhance business insights

Eliminate data silos and improve the consistency and accuracy of data capture across multiple business units, regions, or users.

Flex and scale the solution

Integrate with any automation tool or existing software and customize according to requirements. Scale the solution seamlessly to meet your changing volume and harness the resultant data to build additional features and functionality.

Why CGI?

- Our deep domain knowledge and technology engineering powered by AI delivers results that significantly outperform off-the-shelf AI/ML solutions
- We bring hands-on experience with SDS within oil and gas and chemical industry use cases
- We can integrate the solution with any market standard automation tool through APIs, enabling organizations to enhance their systems and workflow
- Our experts ensure extraction processes are accurate for data ingestion and comply with global regulatory updates
- We offer over 40 AI models that span a wide array of use cases, including document and image classification, information extraction and Natural Language Processing (NLP)

About CGI

Insights you can act on

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-based to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

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