

## 3E Online SDS Safety Card Module

Enhance employee and site safety with simple-to-create product Safety Cards!



ONLINE

### Overview

Safety Cards are effective tools for increasing workplace safety and mitigating risk. They easily inform employees of the risks involved with product usage, level of protection required, and emergency procedures, all within one guide. Safety Cards are designed to be visual and simple to comprehend, which proves invaluable in the event of an emergency.

Safety Cards are used throughout the world as best practice tools to complement, or comply with, regulatory initiatives, such as the United States' Hazard Communication Standard (HCS),

Canada's Workplace Hazardous Materials Information System (WHMIS), and the UK's Control of substances hazardous to health (COSHH).

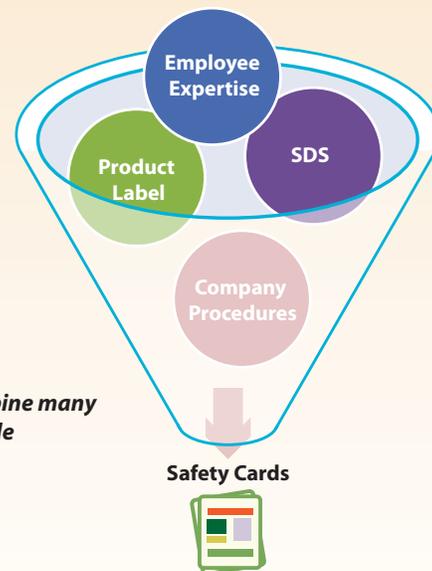
The Safety Card Module of 3E Online generates these cards using standardized pictograms, color-coded templates, and information from a product's SDS. Their guidance can be localized with task and workplace-specific details to increase their relevancy. The completed cards are hosted within 3E Online and accessible alongside the product's SDS.



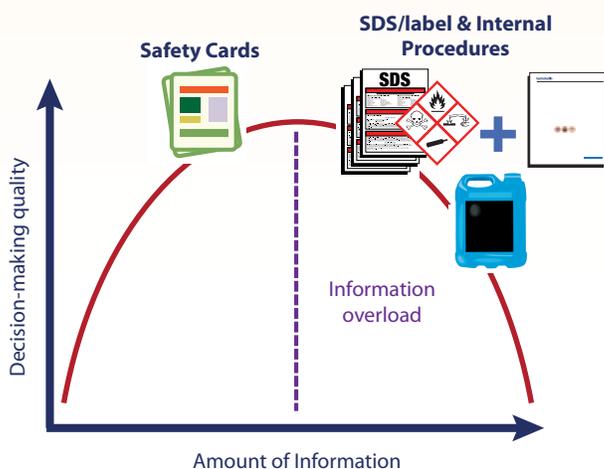
## One Visual Reference Tool

Safety Cards are an effective communication tool within the workplace. Without a Safety Card in an emergency, what documentation should an employee turn to first – the product bottle, the SDS, emergency procedures, or all three?

With their visual, color-coded design, they include information from the SDS, product label, onsite procedures, and management guidance, ensuring all necessary information is accounted for in a concise, summarized manner.



**Fig. 1: How Safety Cards combine many reference points into one guide**



**Fig. 2: How generic information, as well as too much information, can reduce an employee's decision making quality.**

## Relevant and Simplified Guidance

The use of Safety Cards results in better employee understanding of the chemicals they interact with on a daily basis.

SDS and product labels are generic, and fall short of company-specific guidance applicable to the task being performed, or the work environment. Nevertheless, exposure potential is directly dependant on both of these factors. Training helps isolate this risk, but as it can be forgotten, Safety Cards provide reliable reinforcement on a daily basis.

SDSs can also be technically complex and extensive. Safety Cards contain only the most critical information needed for employees to understand how to safely interact with hazardous products.

## Global Utilization

Safety cards are used throughout the world as best practice tools to communicate a product's hazard profile and safety measures. Some examples include:

North America, United States – Safety Cards assist the requirement for employee understanding of workplace hazards. Once training is complete, Safety Cards become the daily reinforcement of how to use products safely. Many companies include Safety Card creation at the end of their new chemical approval process.

Europe, Germany – Safety Cards, known as Betriebsanweisung, are a regulatory requirement, enforced through BAuA.

Asia, Thailand – Sourcing a Thai SDS for each product, or a complete SDS, can be problematic. Safety Cards fill this information void, and ensure complete and correct information is provided to employees.

South America, Brazil – SDSs in Portuguese are not always available for Brazilian employers. Safety Cards become the supplementary Portu-

guese document, even if the SDS is only available in English. Safety Cards also be used as Ficha de emergência (Emergency Forms), a requirement of ABNT/CB-16 Transport and Traffic.

Middle East, Oman – Safety Cards, known as SHOC (Safe Handling of Chemicals) Cards, are usually issued to workers before they can make use of any chemical.

## Features

3E Online's Safety Card module helps increase the accuracy and validity of these important documents by automating and standardizing their creation process.

- **Rapid Creation:** The template, pictograms, and color-coded backgrounds are standardized, and information from the product's SDS is used to populate many areas.

- **Automation, with Flexibility:** The module automates the creation process. Text can be customized and

entire sections can be added or removed before generating a card. Cards can be edited at any time and an expiration date can be set for each.

- **Visual Format:** Information can be displayed as pictograms, with color coded template options for identifying the hazard level of products (black, green, yellow, red)

- **Large Volume:** Create many cards per product and per location, as there is no impact on cost.

- **Existing Card Retention:** Should a company wish to load legacy cards, or a location wishes to retain its existing card creation system, companies can load internal cards into the module

- **SDS Update Alerts:** 3E Online can send alerts for when an SDS has been updated, including specifically what information has changed, which keeps users aware of potential impacts to Safety Cards

Safety Card Sections (all optional):  
 Product identification  
 Task and location identification  
 Exposure Limits  
 Limitations of Use  
 Hazard Identification  
 PPE  
 First Aid  
 Fire Fighting Measures  
 Emergency Response Measures  
 Handling and Storage  
 Disposal  
 Transportation  
 Additional Information

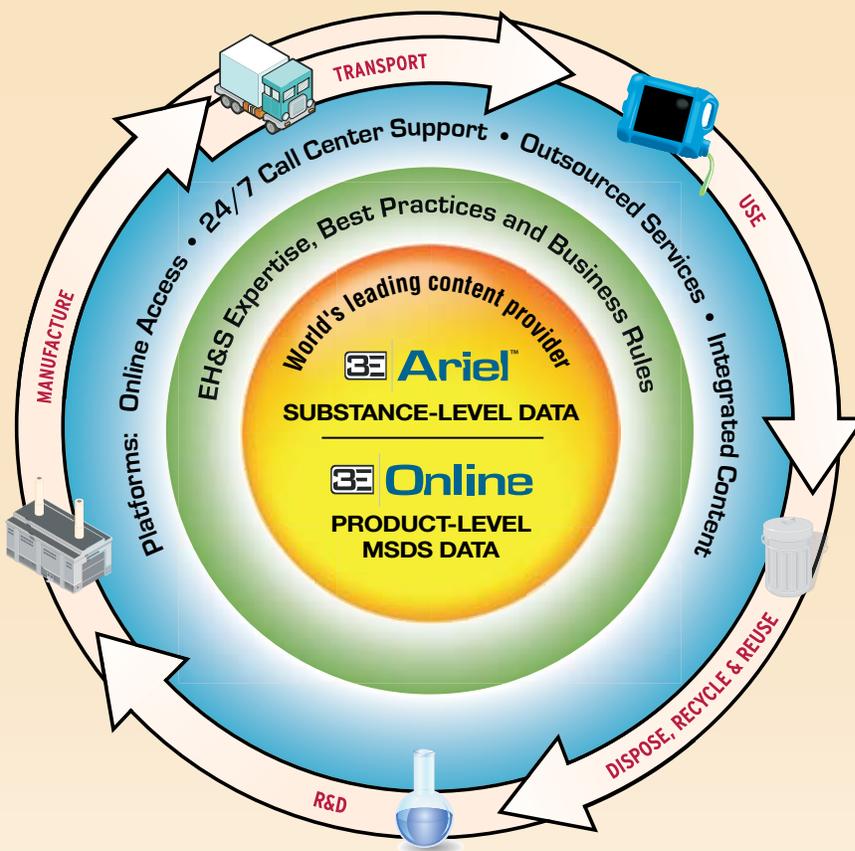
ABC Company		Acetone		Workplace Safety Card	
	Date of Issue	Date of Expiry	Version #	Reference #	
	July 1, 2012	July 1, 2013	1	1AB	
	Author				
	Louise Bernstein				
Location		Activity	Working Area		
Liverpool Warehouse		Lacquer stripping	Parts refurbishment		
Exposure Limits			Limitations of Use		
500 ppm 8-hour TWA			None		
Additional Names		Supplier	Additional Values		
Dimethylformaldehyde; dimethyl ketone; 2-Propanone; Pyroacetic acid; Pyroacetic ether		Merck	Material ID: A97L09 Product Category: Solvent		
Composition					
CAS RN	Substance Ref#	Chemical Name			
67-64-1	EC# 2000-662-2	2-Propanone			
Hazard Identification					
GHS/CLP Signal word Danger Hazard Statements					 
Health Hazard: Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.					
Precautionary Statements					 
Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.					

Example of Safety Card used in the United Kingdom

# 3E Online SDS Safety Card Module

## Full Chemical Lifecycle Management

3E Company's comprehensive suite of data products and information services enables improved compliance with global Environmental Health & Safety (EH&S) requirements related to the safe manufacturing, distribution, transportation, usage and disposal of chemicals and hazardous products. Whether you are a manufacturer, distributor, transporter, retailer or corporate user of chemicals or hazardous products, 3E can deliver a program specific to the EH&S compliance information and management needs of your organization that provides benefits to the entire enterprise and throughout the supply chain. 3E Company's full product lifecycle and supply chain approach provides a single, integrated solution for managing EH&S capabilities, resulting in reduced cost, risk and liability while improving business and compliance processes.



## EH&S Challenges

With the spotlight shining brightly on EH&S compliance, companies are challenged with finding effective ways to address the complexities and intricacies of EH&S compliance management. Not only do these challenges stem from a constantly-changing regulatory landscape, but also from a scarcity of newcomers to the EH&S field, and pressure on EH&S departments to manage increased responsibility with fewer resources. Addressing these issues requires broad and deep domain expertise—expertise that doesn't always exist within the company. And if it does, this expertise is probably best utilized driving the company's overall compliance strategy, not bogged down with paperwork or the administrative burdens associated with maintaining compliance.

## EH&S Solutions

At 3E Company, we understand the business and the burden of EH&S information and compliance management. 3E Company is a comprehensive, one-stop solution for content, tools and services for companies that want to take effective leadership and control of their product stewardship and EH&S compliance activities. 3E's products and services help companies make the transition from simply managing for compliance, to cutting-edge product stewardship practices that deliver tangible and sustainable business results.

## Contact Us

**CORPORATE HEADQUARTERS**  
3207 GREY HAWK COURT, SUITE 200  
CARLSBAD, CA 92010 USA  
TEL: +1 760.602.8700

3E Company Canada  
1440 Sainte-Catherine West, Suite 300  
Montréal, Québec H3G 1R8  
Tel: +514.257.2900  
Toll Free: +888.255.6737  
Fax: +514.257.2901  
Toll Free: +888.855.5968

3E Company Europe ApS  
Lyngbyvej 20, 3  
DK 2100 Copenhagen Denmark  
P: +45 70 22 81 70  
F: +45 39 15 82 69

Visit [WWW.3ECOMPANY.COM](http://WWW.3ECOMPANY.COM) today to learn more. For more information contact us at 1-800-360-3220 or [info@3ECompany.com](mailto:info@3ECompany.com).

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