



Conversion template REACH dossier into GPS Safety Summary



13 June 2013

Version 2: Final draft with comments

Preface

This document gives some practical advises as to what information could be provided in the safety Summary and what are the possible sources for that information, assuming that a REACH registration has been done for the substance.

The GPS Safety Summary is intended for communication on safe use in a simple language. Under REACH the (extended) safety datasheet (eSDS) is to inform the Downstream Users on safe use of the chemicals. If an (e)SDS is available, this could serve as the first source of information. Other sources are the Chemical Safety Report and the IUCLID dossier. Be aware that not all that information is publicly available under REACH.

This document describes the different elements a company may decide to include in a Safety Summary. It is not a mandatory template.

In case of a low hazard or low volume substance, reduced information could be considered. Suggestions are included in the document.

Disclaimer

The information contained in this paper is intended as advice only and whilst the information is provided in utmost good faith and has been based on the best information currently available, is to be relied upon at the user's own risk.

No representations or warranties are made with regards to its completeness or accuracy and no liability will be accepted by (company name) for damages of any nature whatsoever resulting from the use of or reliance on the information.

Document history

Version	Comment	Date
Version 1	First edition	07 Mar 2011
Version 1.1	Minor text changes, Glossary update	01 April 2011
Version 2	Second edition. Document reviewed and updated. Low hazard/low volume recommendations added.	June 2013

Table of contents

SUBSTANCE NAME	4
GENERAL STATEMENT	4
CHEMICAL IDENTITY	4
USES AND APPLICATIONS	4
PHYSICAL/CHEMICAL PROPERTIES	5
HEALTH EFFECTS	6
ENVIRONMENTAL EFFECTS.....	6
USE AND EXPOSURE.....	7
RISK MANAGEMENT RECOMMENDATIONS.....	7
SUBSTANCE REVIEW INFORMATION	8
CONCLUSION (OPTIONAL).....	8
CONTACT INFORMATION WITHIN COMPANY	8
GLOSSARY	8
DATE OF ISSUE	9
ADDITIONAL INFORMATION	9
DISCLAIMER	9

SUBSTANCE NAME

Company decides what substance name to give here.
It could be brand name, chemical name, popular well known name etc.

GENERAL STATEMENT

This part is optional for companies to complete. It could give some high level description of the substance, its hazards and recommendations on safe use. The language should be understandable for non-technical stakeholders.

e.g. This summary gives an overview of this substance of the main characteristics like hazards and risks, how to use it in a safe way, its main applications and its benefits. The document is not intended to replace the SDS, but is intended to be used by interested stakeholders as an information source.

In case of low hazard or low volume substance, this section could also include a high level description of the product uses. In that case section "Uses and applications" could be deleted

Possible source:
Company commercial persons, Product Manager, Product Steward, etc

CHEMICAL IDENTITY

Name: (popular well known name, recognised by public)

Brand names:

Chemical name (IUPAC):

CAS number(s):

EC number (optional)

Molecular formula (optional):

Possible source:
eSDS: section 1 of SDS
CSR: Part B section 1
IUCLID: Section 1
Company internal business units / experts / marketing departments/product stewards

USES AND APPLICATIONS

The focus in this part should be on professional and consumer uses, in combination with the benefits of the applications.

General high level description of product uses (no technical details) consistent with what has been registered under REACH - information gathered from CSR or company product database – *e.g. commonly used plasticiser and has a wide range of indoor and outdoor applications. Such as for construction and industrial applications, and durable goods (wire and cable, film and sheet, flooring, industrial hoses and tubing, footwear,*

High level description of the benefit of the chemical in certain applications – not focused on technical issues – specifically focused on benefits for consumer and society *e.g. smooth, tough surface of the upper wear layer which prevents dust and dirt from building up and microbes breeding, robust surfaces cut down the need for cleaning and the use of polish, etc.*

It is recommended to address consumer use in this section, either by informing about the use or by stating that the substance is not in consumer products.

Possible source:
 eSDS: section 1.2 of SDS and section 1 of the Exposure Scenario
 CSR: Part B section 2 and section 9
 IUCLID: section 3.5
 Product Manager, Product Steward, company database with product info, Sector of use, Article category, marketing department

PHYSICAL/CHEMICAL PROPERTIES

Phys/Chem Safety Assessment

General statement on colour, physical state, odour, melting point, vapour pressure, solubility in water, flammability.

The list should only include relevant and essential endpoints, rest can be deleted.

Possible source:
 eSDS: section 9 of SDS
 CSR: part B section 1
 IUCLID section 4

Property	Value
Form	
Physical state	Liquid/solid/gaseous
Colour	
Odour	
Density	
Melting / boiling point	
Flammability (optional)	H statement in case classified
Explosive properties	
Self-ignition temperature	
Vapor pressure	
Mol weight	
Water solubility	
Flash point	
Octanol-water partition coefficient (LogKow)	

Possible source:
 eSDS: section 9 of SDS and section 2 of Exposure Scenario
 CSR: part B section 1
 IUCLID section 4

HEALTH EFFECTS

Human Health Safety Assessment

- » General statement on the substance toxicological properties and effects on health, H-statement of the substance when it is classified.

Effect Assessment ¹	Result
Acute Toxicity Oral / inhalation / dermal	e.g. not considered as toxic by dermal route of exposure
Irritation / corrosion Skin / eye/ respiratory tract	H-statements in case classified Causes skin irritation. May cause respiratory irritation.
Sensitisation	e.g. not considered to be sensitizing
Toxicity after repeated exposure Oral / inhalation / dermal	
Genotoxicity / Mutagenicity	e.g. not mutagenic
Carcinogenicity	e.g. not considered as carcinogenic based on oral and dermal data
Toxicity for reproduction	e.g. based on available data no developmental toxicity or reprotoxicity to be anticipated

Possible source

eSDS: sections 2 and 11 of SDS and section 4 of Exposure Scenario

CSR Chapter 5 and 6 and 10

IUCLID: section 7

ENVIRONMENTAL EFFECTS

Environment Safety Assessment

- » General statement on the substance eco-toxicological properties: fate and behaviour in the environment and effects on aquatic and terrestrial compartment (if relevant). If classified, general conclusion on classification.

Effect Assessment	Result
Aquatic Toxicity	e.g. H statement in case classified

Fate and behaviour	Result
Biodegradation	e.g. Readily biodegradable
Bioaccumulation potential	e.g. Not bioaccumulative
PBT / vPvB conclusion	e.g. Not considered to be either PBT nor vPvB.

Possible source

eSDS: sections 2 and 12 of SDS and section 4 of Exposure Scenario

CSR: Chapter 4, 7, 8 and 10

IUCLID: sections 5 and 6

¹ Only in case data is available

USE AND EXPOSURE

In case of a low hazard or low volume substance, uses and applications could be included in the “General Statement”. In that case this section could be deleted.

Human health

Indication of industrial, professional or consumer use. High level statement on exposure potential e.g. *consumers will not come into contact with XXX as it is manufactured in a closed process which also minimizes employee exposure potential. Exposure to XXX of personnel in manufacturing facilities is also considered very low because the process, storage and handling operations are enclosed. Workers who might accidentally come in contact with the non formulated, undiluted substance should follow the safety measures recommended in the Extended Safety Data Sheet (eSDS) – or – e.g. the exposure of consumers to XX in end products is at safe levels. However, workers who might come in contact with the non formulated, undiluted substance should follow the safety measures recommended in the eSDS, as the non formulated, undiluted substance causes e.g. skin and eye irritations. In the environmental hazard assessment XXXX was assessed as safe for the environment during all stages of manufacture, industrial uses and consumer.*

Environment

Information about possible direct and indirect releases to the different compartments in the environment (water including sediment, soil and air)

e.g. the manufacture is a closed and automated process with no aqueous effluent neither gaseous effluent released to the environment. During the industrial use of the substance there is also a “No release” policy with all effluent being stored in special containers dedicated to incineration.

Assure that the content of this section is consistent with sections Health effects and Environmental effects of this Safety Summary!

Indication about the relevance of the indirect exposure of Human via the environment (with main contributors if relevant)

Possible source:

eSDS: section 1 of Exposure Scenario
CSR chapter 9 (and chapter 2)

RISK MANAGEMENT RECOMMENDATIONS

This section should describe the safety (and normal hygiene) recommendations. Focus should be on professional and consumer use. Make clear that this summary does not replace the SDS

e.g. This summary describes safety recommendations focussed on professional and consumer use. It does not replace the SDS and industrial/professional users should follow SDS recommendations.

e.g. When using chemicals make sure that there is adequate ventilation. Always use appropriate chemical resistant gloves to protect your hands and skin and always wear eye protection such as chemical goggles. Do not eat, drink, or smoke where chemicals are handled, processed, or stored. Wash hands and skin following contact. If the substance gets into your eyes, rinse eyes thoroughly for at least 15 minutes with tap water and seek medical attention.

e.g. All effluent releases that may contain the substance must be directed to a (municipal) waste water treatment plant that removes the substance from the final releases to the receiving water. Releases to air are not expected and therefore no specific recommendations are required.

Possible source:
eSDS: section 8 of SDS and section 2 of the Exposure Scenario
CSR chapters 9 and 10
Generic text on normal hygiene measures and environmental recommendations– the same for all Safety Summaries
Generic text on informing and training of workers referring to the extended SDS

SUBSTANCE REVIEW INFORMATION

Indicate whether this substance has been reviewed by any regulatory or voluntary program, like REACH, OECD HPV, Canadian DSL, US HPV etc
e.g. *this substance has been registered under REACH (CE) 1907/2006*

Possible source:
ECHA, OECD Portal, ICCA Portal, internet etc

Under GHS substances are classified according to their physical, health, and environmental hazards. The hazards are communicated via specific labels and the eSDS.
(Optional) Visuals and H-Statements on classification could be shown here.

In case the substance is not classified hazardous, make a reference to that.

CONCLUSION (OPTIONAL)

Describe here what the main risks of the substances are and how it can be used in a safe manner.

Possible source:
Up to company

CONTACT INFORMATION WITHIN COMPANY

For further information on this substance or product safety summaries in general, please contact:

- » Functional e-mail or contact person Reference to company web site where additional information can be found
- » Emergency contact
- » Make reference to ICCA portal for additional information:
<http://www.icca-chem.org/en/Home/ICCA-initiatives/global-product-strategy/>

GLOSSARY

Only mention company specific acronyms and terms, that need further explanation.
Refer to the technical glossary on the ICCA website (under development)

DATE OF ISSUE

Be sure that the document is updated; therefore include it in the company document review system.

ADDITIONAL INFORMATION

Up to the company to use; if no additional info, delete this part

DISCLAIMER

The disclaimer should be company specific and could read like:

The information contained in this paper is intended as advice only and whilst the information is provided in utmost good faith and has been based on the best information currently available, is to be relied upon at the user's own risk.

No representations or warranties are made with regards to its completeness or accuracy and no liability will be accepted by (company name) for damages of any nature whatsoever resulting from the use of or reliance on the information.