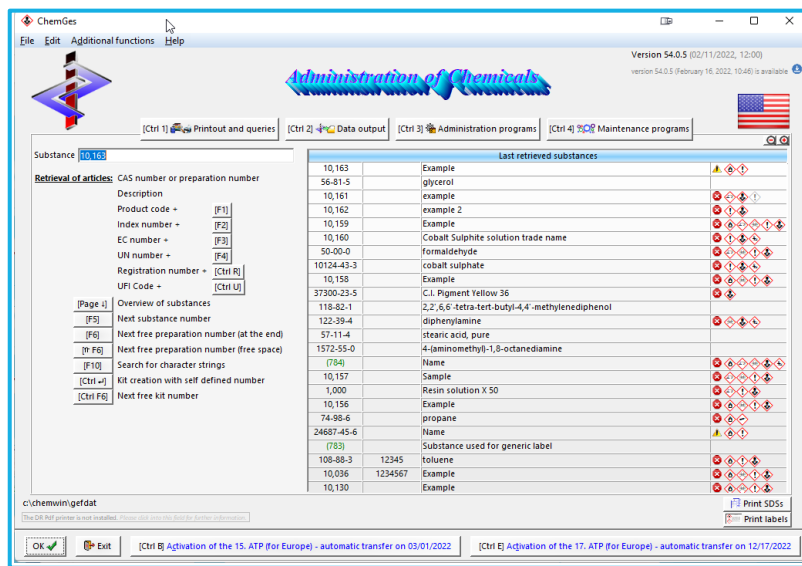


ChemGes

A Brief Introduction

Contact us for a no-obligation **free in-house demonstration** or **Webex demonstration**.

Basic Information



Modules for the generation of:

- SDSs
- Labels
- Internal Plant Instructions

Interfaces available in:

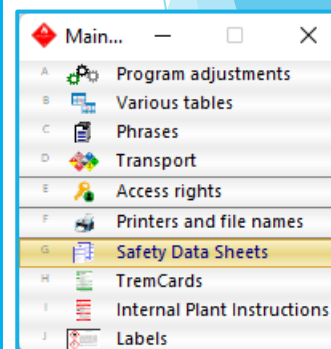
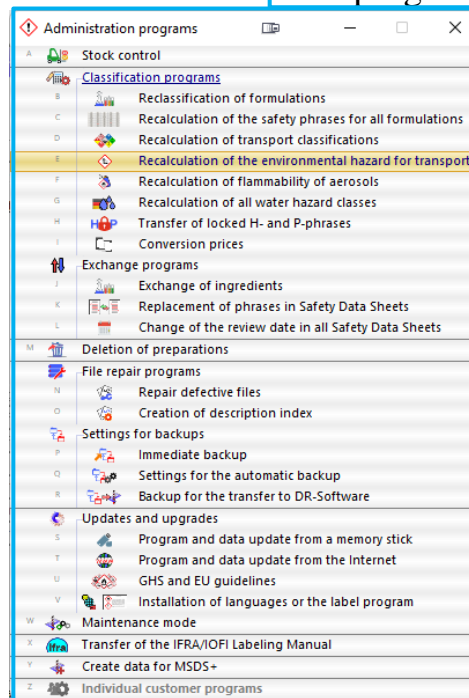
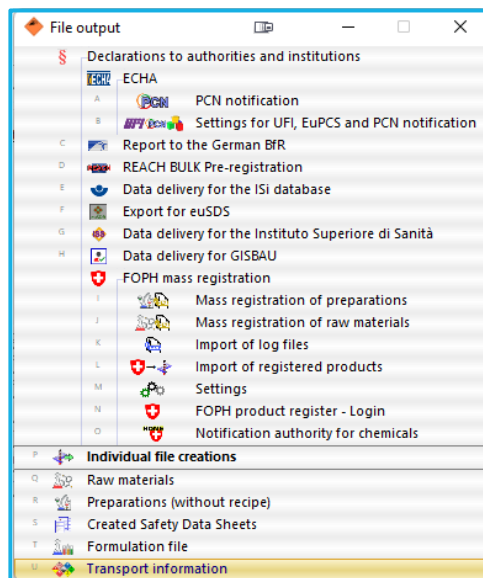
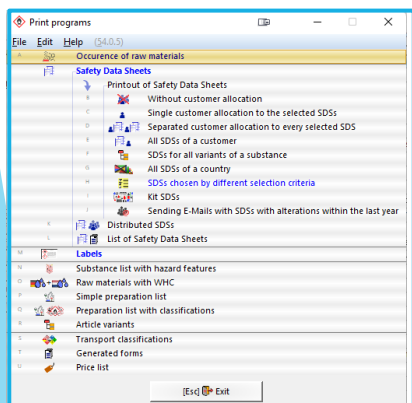
English, German, French, Italian

SDSs/Labels available in

38 languages

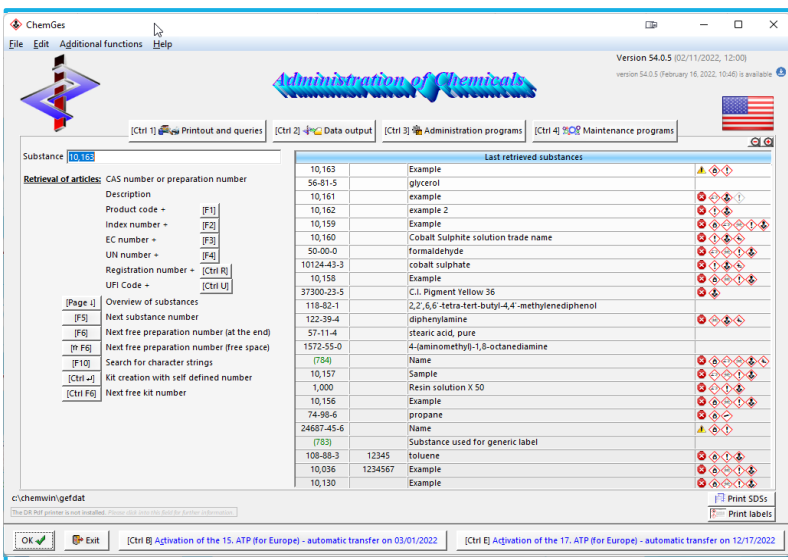
Vast number of settings:

- Increase automation of customer specific needs
- Facilitate personalization of the program and output



Generating a Preparation

1. ChemGes assigns a preparation number as per button choice.

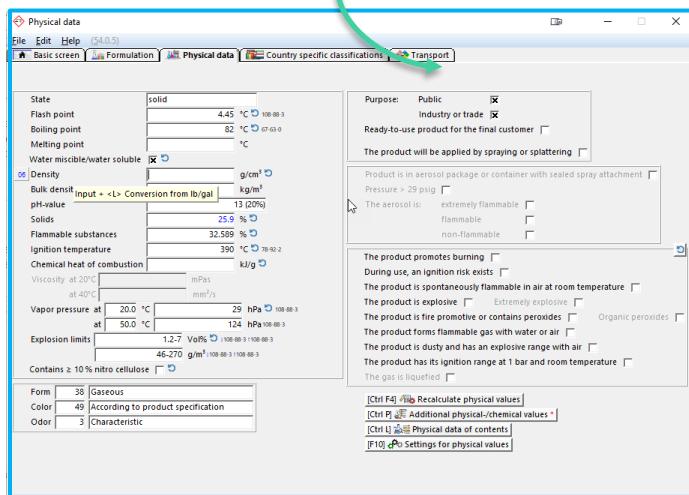
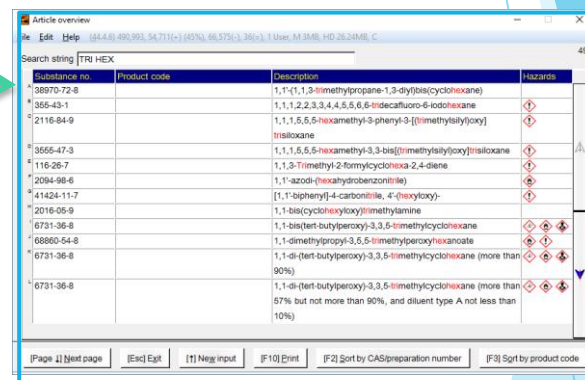


3. Verify calculated data in Database.

4. Enter own data into Database.

2. Enter Formulation:

- Ingredient search by CAS-number, partial/full name or Product code
- It is not necessary to enter a 100% formulation; the more data provided, the more exact the calculations.
- Percentages can be entered as ranges with $>$, $<$, \geq , and \leq as well as \sim .



Immediately following this verification, the classification is automatically calculated – see next Slide.

Automatically calculated Classification

Maintenance of preparations

File Edit Print programs Additional functions Help (54.0.5)

Basic screen Formulation Physical data Country specific classifications Transport

Preparation 1,000 1 Resin solution X 50

Product code

Variant Basic substance selected - 4 variants created

Flags CLP 3, ATP, CLP 3

Article group ART General Article Group Description

GHS classification

Danger

3.10/1; Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.
3.7/2; Repr. 2 - H361 Suspected of damaging fertility or the unborn child.
3.9/2; STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.

Danger

3.2/1A; Skin Corr. 1A - H314 Causes severe skin burns and eye damage.
3.3/1; Eye Dam. 1 - H318 Causes serious eye damage.

Warning

3.1/4; Acute Tox. 4 - H302 Harmful if swallowed.
3.4/1; Skin Sens. 1 - H317 May cause an allergic skin reaction.
3.8/3; STOT SE 3 - H336 May cause drowsiness or dizziness.

4.1/2; Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

Product contains: reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight <= 700), toluene, butanol, propan-2-ol

Automatic reclassification each time the substance is retrieved

[Ctrl X] Lock

Creation - Last alteration 02/04/2022 Last classification 02/16/2022

[Alt F11] Memo

GHS areas [US] [EU] [JP] Pre-selected [All]

ADR: 8
ADR Code: C8, PG: I, UN: 3263
DOT: 8
PG: I, UN: 3263
IMDG: 8
PG: I, UN: 3263, EmS: F-A, S-B
IATA: 8
PG: I, UN: 3263

DPD C N; R34-43-48/20-51/53-63-67; Z2
NFPA 5 0 0 Ctrl N NFPA/HMIS

F2 Formulation Ctrl F2 Breakdown of formulation
Page Quotients Ctrl L Substance listings
Ctrl T Tox values Alt+S Country specific values

[F8] SDS [F6] Label [F5] Internal Plant Instruction

[Alt F8] PDF files (1) [F10] Classification [Alt F3] Variants (4) [F3] Change of variant [Ctrl F7] Tremcard [Ctrl C] Copy/Exchange [F1] Translations of the descriptions [Ctrl F8] Versions of old SDSs
[Esc] Save and exit [Alt Delete] Delete [Page 1] Occurrence in preparations [Home] Price [F6] Copy label [Ctrl F10] Classification with print [Ctrl M] Data for BFR report [Ctrl I] Data for ISS notification

Here you will find:

- World-wide GHS Classifications (i.e. CLP, OSHA HCS, WHMIS 2015, et al.)
- Transport Classifications
- NFPA, HMIS, DPD
- Database tabs with other calculated data

Contact us for a no-obligation free in-house demonstration or Webex demonstration.

Generating an SDS

1. Press *F8 SDS*
2. Choose a Country

Note:

SDSs are created country-specifically and are thus not translations of one another

Maintenance of preparations

File Edit Print programs Additional functions Help (54.0.5)

Basic screen Formulation Physical data Country specific classifications Transport

Preparation 1,000 Resin solution X 50

Product code

Variant Basic substance selected - 4 variants created

Flags CLP 3, ATP, CLP 3

Article group ART General Article Group Description

GHS classification

Danger

3.10/1: Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.

3.7/2: Repr. 2 - H361 Suspected of damaging fertility or the unborn child.

3.9/2: STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.

Danger

3.2/1A: Skin Cor. 1A - H314 Causes severe skin burns and eye damage.

3.3/1: Eye Dam. 1 - H318 Causes serious eye damage.

Warning

3.1/4: Acute Tox. 4 - H302 Harmful if swallowed.

3.4/1: Skin Sens. 1 - H317 May cause an allergic skin reaction.

3.8/3: STOT SE 3 - H336 May cause drowsiness or dizziness.

4.1/2: Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

Product contains: reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight <= 700), toluene, butanol, propan-2-ol

Automatic reclassification each time the substance is retrieved

[Ctrl] X Lock

Creation - Last alteration 02/04/2022 Last classification 02/16/2022

GHS areas [USA] [EU] [Pre-selected] [All]

[Alt] F8 PDF files [I] [F10] Classification [Alt] F3 Variants [H] [F3] Change of variant [Ctrl] F7 Treemcard [Ctrl] C Copy/Exchange [F1] Translations of the descriptions

[Alt] F8 Save and exit [Alt] Delete Delete [Page] 1 Occurrence in preparations [Home] Price [Alt] F8 Copy label [Ctrl] F10 Classification with print [Ctrl] M Data for BFR report

File Edit Help (54.0.5)

USA

Argentina

Australia

Austria

Belgium

Belgium dutch

Belgium German

Brazil

Bulgaria

Canada

Canada french

Chile

China

China English

Colombia

Costa Rica

Croatia

Cyprus

Czechia

Denmark

Ecuador

Egypt

Estonia

EU

Example

Finland

France

Germany

Great Britain

Greece

Hong Kong

Hungary

Iceland

India

Indonesia

Ireland

Israel - English

Israel - Hebrew

Italy

Japan

Jordan - Arabic

Jordan - English

Korea

Kuwait - Arabic

Kuwait - English

Latvia

Lebanon - Arabic

Lebanon - English

Liechtenstein

Lithuania

Luxembourg

Malaysia

Malaysia - english

Malta

Mexico

Mauritius

New Zealand

Norway

Oman - English

Pakistan

Peru

Philippines

Poland

Portugal

Republic of the Congo

Romania

Russia

Saudi Arabia - Arabic

Saudi Arabia - English

Serbia

Serbia (cyrillic)

Singapore

Slovakia

Slovenia

South Africa

Spain

Sri Lanka

Sweden

Switzerland - french

Switzerland - german

Switzerland - italian

Taiwan

Thailand

Turkey

Ukraine

United Arab Emirates - Arabic

United Arab Emirates - English

Uruguay

USA French

Vietnam

Vietnam Example

Count: 92

[Esc] Exit

[Ctrl+A-Z,1-9,0] Search

Sample SDSs can be
viewed on our Homepage

Generating an SDS

3. Editing Screen – any changes pertaining to phrases and headings, can be made here.

The screenshot shows the 'Safety Data Sheet' software interface. The window title is 'Safety Data Sheet dated 11/27/2017 (12/20/2017)'. The menu bar includes 'File', 'Edit', 'Additional functions', and 'Help'. The toolbar shows icons for file operations and printing. The main area is divided into sections: 'Identification', 'Hazard(s) identification', and 'Additional information'. The 'Identification' section is currently selected and shows fields for 'Product identifier', 'Trade name', 'Article number', 'GAS Number', 'EINECS Number', 'Index number', 'Creation Date', 'Application of the substance / the mixture', 'Details of the supplier of the safety data sheet', 'Information department', and 'Emergency telephone number'. The 'Hazard(s) identification' section shows 'Classification of the substance or mixture' with various hazard symbols and codes. The 'Additional information' section shows 'Label elements' and 'GHS label elements'. The status bar at the bottom contains a series of keyboard shortcuts: [Alt F3] Change country, [Alt F7] Calculate phrases, [F7] Check, [Ctrl F8] Date, [F9] Customers, [F10] Print, [F3] Additional headings, [F11] Update, [Alt F12] Maintenance of headings, [Ctrl F7] Delete country, [Ctrl F6] Delete SDS, [Ctrl F4] Markings.

The screenshot shows the final 'Safety Data Sheet' document. The title is 'Safety Data Sheet acc. to OSHA HCS'. The header includes 'Printing date 11/30/2016', 'Version Number 5.0', and 'Reviewed on 11/30/2016'. The document is divided into two main sections: '1 Identification' and '2 Hazard(s) identification'. The '1 Identification' section contains fields for 'Product identifier', 'Trade name: Resin solution X 50', 'Article number: 1234567890', 'Application of the substance / the mixture', 'Details of the supplier of the safety data sheet', 'Manufacturer/Supplier', 'Information department', and 'Emergency telephone number'. The '2 Hazard(s) identification' section contains 'Classification of the substance or mixture' with various hazard symbols and codes. The document is marked as 'Page 1/16' and '(Contd. on page 2)'.

4. Press **F10** **Print** to view the Final Product.

Contact us for a no-obligation free in-house demonstration or webex demonstration

A complete SDS is generated automatically

Contact us for a no-obligation free in-house demonstration or Webex demonstration.

Additional SDS Information

The screenshot shows a software window titled "Safety Data Sheet dated 11/27/2017 (12/20/2017)". The interface includes a menu bar (File, Edit, Additional functions, Help) and a toolbar with icons for printing, saving, and other functions. The main content area is divided into several sections:

- Identification:** Includes fields for Product identifier, Trade name (Resin solution X 50), Article number (1234), CAS Number, EINECS Number, and Creation Date (11/27/2017).
- Application of the substance / the mixture:** Lists tobacco products and uses advised against.
- Details of the supplier of the safety data sheet:** Includes Manufacturer/Supplier (Chemix GmbH, Chemixstrasse 2, 5020 Salzburg, Tel.: 0043/662/212223).
- Information department:** Lists Product safety department and Emergency telephone number (123 456 789).
- Hazard identification:** Displays hazard pictograms and labels for various hazards, including:
 - GHS02: Flam. Liq. 2, H225 Highly flammable liquid and vapor.
 - GHS08: Repr. 2, H361 Suspected of damaging fertility or the unborn child.
 - GHS09: STOT RE 2, H373 May cause damage to organs through prolonged or repeated exposure.
 - GHS07: Asp. Tox. 1, H304 May be fatal if swallowed and enters airways.
 - GHS07: Aquatic Chronic 2, H411 Toxic to aquatic life with long lasting effects.
 - GHS07: Skin Irrit. 2, H315 Causes skin irritation.
 - GHS07: Eye Irrit. 2A, H319 Causes serious eye irritation.
 - GHS07: Skin Sens. 1, H317 May cause an allergic skin reaction.
 - GHS07: STOT SE 3, H336 May cause drowsiness or dizziness.
- Label elements:** Includes GHS label elements and a statement: "The product is classified and labeled according to the Globally Harmonized System (GHS)." with a USA flag icon.

The bottom of the window features a status bar with various function keys like [Alt F3] Change country, [Alt F7] Calculate phrases, [F2] Maintenance of phrases, [F7] Check, [Ctrl F8] Date, [F9] Customers, [F10] Print, [F3] Additional headings, [F1] Update, [Alt F12] Maintenance of headings, [Ctrl F7] Delete country, [Ctrl F8] Delete SDS, [Ctrl F4] Markings.

Country-specific settings ensure world-wide compliance.

Various identification numbers (CAS, Registration, ...) output in the table of hazardous components in Section 3.

The Section 3 percentage outputs can be defined by the user as exact percentages or with a myriad of limit table options.

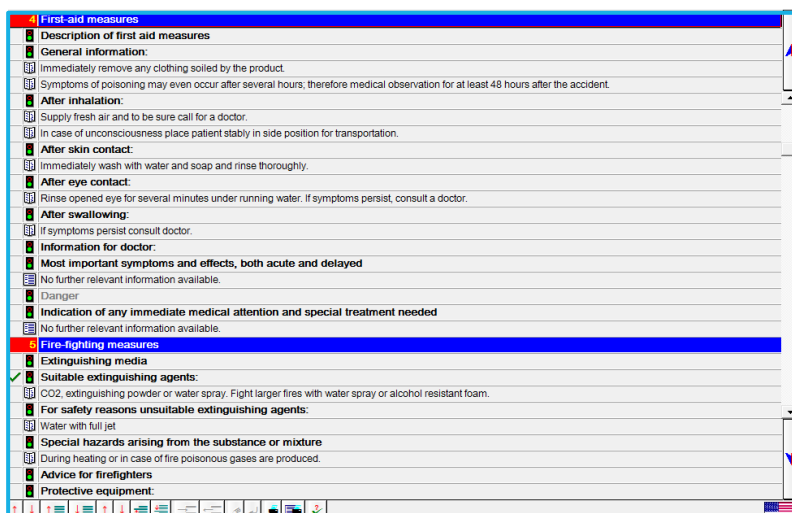
The screenshot shows the "3 Composition/information on ingredients" section of an SDS. It includes a "3.2 Chemical characterisation: Mixtures" subsection with a "Description:" field stating "Mixture of substances listed below with nonhazardous additions." Below this is a table of "Dangerous components:" with columns for CAS, EINECS, and chemical names. A green box highlights the percentage column on the right, which shows values like 25-50%, 10-25%, >12-<15%, 6.5%, and 2.5-10%.

CAS	EINECS	Chemical Name	Percentage
CAS: 25068-38-6		reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight <= 700)	25-50%
NLP: 500-033-5		Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-25%
CAS: 108-88-3		toluene	>12-<15%
EINECS: 203-625-9		Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	6.5%
CAS: 141-78-6		ethyl acetate	2.5-10%
EINECS: 205-500-4		Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 78-92-2		butanol	
EINECS: 201-158-5		Flam. Liq. 3, H226; Eye Irrit. 2, H319; STOT SE 3, H335-H336	
CAS: 67-63-0		propan-2-ol	
EINECS: 200-661-7		Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	

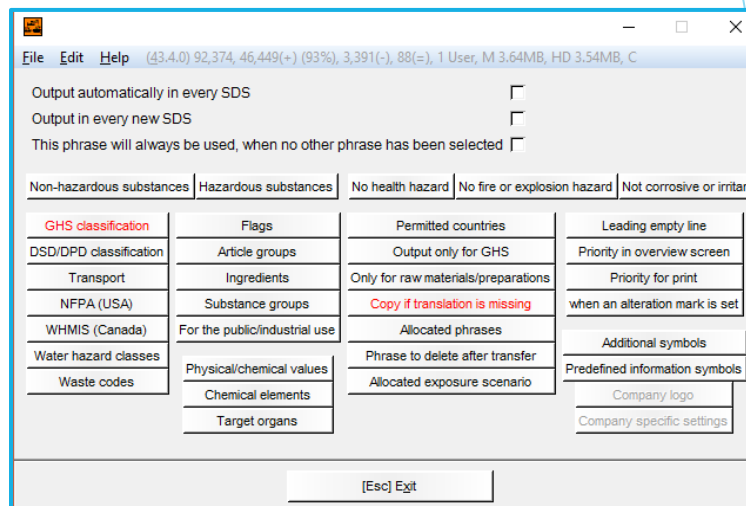
Additional SDS Information

ChemGes contains more than 3,000 phrases, translated into all of the languages in which they are used.

These phrases are used by ChemGes to automate the information output in the SDS. They are output automatically based on conditions. Conditions are defined by default but can also be defined by the user.



Additional phrases can be easily created and output via manual selection or conditions.



Protection of hands:



Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/
the chemical mixture.*

Symbols can be linked to phrases, via conditions.

Additional SDS Information

SDSs are generated country-specific –automatically applying the legal framework of each country.

First Page - New Zealand



Safety Data Sheet in accordance with HSNO

Page 1/11

Printing date 28.01.2021

Version number 1.0

Revision: 28.01.2021

1 Identification of the substance or mixture and of the supplier

- Product identifier
- Trade name: **Resin solution X 50**
- Article number: 1234567890
- Relevant identified uses of the substance or mixture and uses advised against
- Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- Product category PC19 Intermediate
- Process category PROC5 Mixing or blending in batch processes
- Environmental release category
ERC2 Formulation into mixture
ERC5 Use at industrial site leading to inclusion into/onto article
- Article category AC13 Plastic articles
- Application of the substance / the mixture
Raw material for resins
10.234 mg/kg
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
Chemix GmbH
Chemixstraße 17
A-5020 Salzburg
Tel.: 0043/662/21 22 23
- Further information obtainable from: Product safety department.
- Emergency telephone number:
During normal opening times: environment protection department, Ext 123
at other times: factory fire brigade, Ext 222

2 Hazards identification

- Classification of the substance or mixture
- Acute Tox. 4 H302 Harmful if swallowed.
- Acute Tox. 5 H333 May be harmful if inhaled.
- Skin Corr. 1A H314 Causes severe skin burns and eye damage.
- Eye Dam. 1 H318 Causes serious eye damage.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- Repr. 2 H361 Suspected of damaging fertility or the unborn child.
- STOT SE 3 H336 May cause drowsiness or dizziness.
- STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
- Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
- Label elements
- GHS label elements
- The product is classified and labelled according to the Globally Harmonised System (GHS).

(Contd. on page 2)

NZ

First Page - France

Fiche de données de sécurité selon 1907/2006/CE, Article 31

Page : 1/9

Date d'impression : 08.05.2017

Numéro de version 2.0

Révision: 13.01.2015

RUBRIQUE 1: Identification de la substance/du mélange et de la société/l'entreprise

- 1.1 Identificateur de produit
- Nom du produit: **Solution résineuse X 50**
- Code du produit: 1234567890
- 1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées
- Secteur d'utilisation
SU3 Utilisations industrielles: Utilisations de substances en tant que telles ou en préparations sur sites industriels
- Catégorie du produit PC19 Intermédiaire
- Catégorie de processus PROC5 Mélange dans des processus par lots
- Catégorie de rejet dans l'environnement ERC2 Formulation dans un mélange
- Catégorie de l'article AC13 Articles en plastique
- Emploi de la substance / de la préparation Matière première pour résines synthétiques
- 1.3 Renseignements concernant le fournisseur de la fiche de données de sécurité
- Producteur/fournisseur:
Chemix GmbH
Chemixstraße 17
A-5020 Salzburg
Tel.: 0043/662/21 22 23
- Service chargé des renseignements: Département sécurité du produit
- 1.4 Numéro d'appel d'urgence:
Pendant les heures normales d'ouverture: Département protection de l'environnement, sinon: service incendie (interne à l'entreprise).

RUBRIQUE 2: Identification des dangers

- 2.1 Classification de la substance ou du mélange
- Classification selon le règlement (CE) n° 1272/2008
- GHS02 flamme
- Flam. Liq. 3 H226 Liquide et vapeurs inflammables.
- GHS08 danger pour la santé
- Repr. 2 H361a Susceptible de nuire au fœtus.
- STOT RE 2 H373 Risque présumé d'effets graves pour les organes à la suite d'expositions répétées ou d'une exposition prolongée.
- Asp. Tox. 1 H304 Peut être mortel en cas d'ingestion et de pénétration dans les voies respiratoires.
- GHS09 environnement
- Aquatic Chronic 2 H411 Toxique pour les organismes aquatiques, entraîne des effets néfastes à long terme.
- GHS07
- Skin Irrit. 2 H315 Provoque une irritation cutanée.
- Eye Irrit. 2 H319 Provoque une sévère irritation des yeux.
- Skin Sens. 1 H317 Peut provoquer une allergie cutanée.

(suite page 2)

FR

Exposure Values - New Zealand

8 Exposure controls/personal protection

· *Additional information about design of technical facilities:* No further data; see item 7.

· *Control parameters*

· *Ingredients with limit values that require monitoring at the workplace:*

108-88-3 toluene	
WES (New Zealand)	Long-term value: 188 mg/m ³ , 50 ppm skin
IOELV (EU)	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 192 mg/m ³ , 50 ppm Skin
141-78-6 ethyl acetate	
WES (New Zealand)	Long-term value: 720 mg/m ³ , 200 ppm
IOELV (EU)	Short-term value: 1468 mg/m ³ , 400 ppm Long-term value: 734 mg/m ³ , 200 ppm
67-63-0 propan-2-ol	
WES (New Zealand)	Short-term value: 1230 mg/m ³ , 500 ppm Long-term value: 983 mg/m ³ , 400 ppm
78-92-2 butanol	
WES (New Zealand)	Long-term value: 303 mg/m ³ , 100 ppm
1330-20-7 xylene	
WES (New Zealand)	Long-term value: 217 mg/m ³ , 50 ppm
IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin

(Contd. on page 5)

NZ

Exposure Values - France

RUBRIQUE 8: Contrôles de l'exposition/protection individuelle

· *Indications complémentaires pour l'agencement des installations techniques:*

Sans autre indication, voir point 7.

· **8.1 Paramètres de contrôle**

· *Composants présentant des valeurs-seuil à surveiller par poste de travail:*

108-88-3 toluène	
VME	Valeur momentanée: 384 mg/m ³ , 100 ppm Valeur à long terme: 76,8 mg/m ³ , 20 ppm R2, risque de pénétration percutanée
141-78-6 acétate d'éthyle	
VME	Valeur à long terme: 1400 mg/m ³ , 400 ppm
67-63-0 propane-2-ol	
VME	Valeur momentanée: 980 mg/m ³ , 400 ppm
50-00-0 Formaldéhyde	
VME	Valeur momentanée: 1 ppm Valeur à long terme: 0,5 ppm C2
78-92-2 butanol	
VME	Valeur à long terme: 300 mg/m ³ , 100 ppm

· *Remarques supplémentaires:*

Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.

Exposure Scenarios

Exposure Scenarios are generated from the editing screen of the corresponding SDS.

Annex: Exposure scenario

Short title of the exposure scenario
Sector of Use
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
Product category
PC19 Intermediate
Process category
PROC5 Mixing or blending in batch processes for formulation of preparations and articles (n
Article category
AC13 Plastic articles
Environmental release category
ERC2 Formulation of preparations
Notes
Description of the activities / processes covered in the Exposure Scenario
See section 1 of the annex to the Safety Data Sheet.
Conditions of use
Duration and frequency
5 workdays/week
Worker
Environment
Physical parameters
Physical state
Fluid
Concentration of the substance in the mixture
The substance is main component.
Used amount per time or activity
5 tons per day
Other operational conditions
Other operational conditions affecting environmental exposure
Use only on hard ground.

By creating **Exposure Scenario Templates**, one can add a number of Exposure Scenarios to each substance.

Raw material for resins	14
Uses advised against	15
1.3 Details of the supplier of the safety data sheet	16
Manufacturer/Supplier:	17
Chemix GmbH Chemixstraße 17 A-5020 Salzburg	Tel.: 0043/662/21 22 23
Further information obtainable from:	

Great Britain

These ES templates are automatically populated from the SDS.

Additional exposure scenarios

Product code	Description	Exp.sc.
X 1	Wood Use	
10,005	Outdoor Use	X

More detailed information about Exposure Scenarios can be found in the **Exposure Scenario Document** in the Downloads section of our website www.dr-software.com.

SDSs can be generated in different languages (and scripts)

化学安全技术说明书
根据 GB/T 16483-2008, GB/T 17519-2013

打印日期 2016.11.30

在 2016.11.30 审核

1 化学品及企业标识

产品识别符

化学品中文(英文名称, 化学品俗名或商品名): Resin solution X 50

商品编号: 1234567890

相应物质或混合物相关的使用用途及禁止用途

应用领域 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

产品类别 PC19 Intermediate

工艺类别 PROC3 Mixing or blending in batch processes

环境释放类别 AC13 Plastic articles

材料类别 AC13 Plastic articles

原材料的应用/用途

物理特性

物理特性

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Паспорт безопасности

в соответствии с ГОСТ 30333-2007

Дата печати: 30.11.2016

Страница: 1/16

1. Идентификация химической продукции и сведения о производителе или поставщике

Идентификатор продукта

Торговое наименование: Resin solution X 50

Арктикульный номер: 1234567890

Соответствующие установленные применения вещества или смеси и не рекомендуемые области использования

Область применения

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

Категория продукта PC19 Intermediate

Категория процесса PROC3 Mixing or blending in batch processes

Категория выделения в окружающую среду ER22 Formulation into mixture

Категория изделия AC13 Plastic articles

Применение вещества / препарата

Ароматизаторы

Смеси для промышленного использования

Детальная информация

</

Página: 1/14

Ficha de datos de seguridad
número 1907/2006/CE, Artículo 31

Fecha de impresión 30.11.2016 Número de versión 6.0 Revision: 30.11.2016

SECCION 1: identificación de la sustancia o de la mezcla y de la sociedad o la empresa

1.1 Identificador del producto
Nombre comercial: **Résin solution X 50**

Número del artículo:**1234567890**

1.2 Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados
(No incluye todos los usos pertinentes disponibles)

Page : 1/14

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Dato Número de version 5.0 Revision: 30.11.2016

Identification de la substance/du mélange et de la société/l'entreprise

de produit
Solution résineuse X 50

Identifiants pertinents de la substance ou du mélange et des usages recommandés /
des utilisations pertinentes de la substance ou du mélange en préparations industrielles: Utilisations de substances en tant que telles ou en préparations diluées PC19 Intermediaire
processus PROCES Mélanges dans des processus par lots
dans l'environnement ENCA Formulation dans un mélange
actif ACT3 Articles en plastique
enceinte / de la préparation

résines synthétiques

លីស៍ 1/13 1 fiche de données de sécurité





កាលបរិច្ឆេទផែនការ: 2016. 11. 30 Tel.: 0043(6)6221/2223

Produit
Hautement inflammable
Sécherie les vêtements exposés à ce produit.
Ne pas fumer.

Hautement inflammable
Séchage des vêtements exposés à ce produit.
Ne pas fumer.

Non classifié pour l'environnement, sinon:

Tél. 0043(6)6221/2223

<p>แผ่นข้อมูลด้านความปลอดภัยสารเคมี</p> <p>ตาม GHS</p>		<p>หน้า 1 จาก 2</p>
<p>วันที่ผลิต 2016 11 30</p>		<p>การพิมพ์ใหม่ 2016 11 30</p>
<p>1 การจำแนกอันตรายหรือสารผสม และสัญลักษณ์</p>		
<p>ลักษณะเฉพาะของผลิตภัณฑ์</p> <p>ชื่อทางการค้า Resin solution X 50</p> <p>เลขที่รายการ 1234567890</p> <p>สารหรือส่วนผสมที่เป็นองค์ประกอบ/ไม่พบในสารที่ใช้ ไม่มีส่วนประกอบของแอลกอฮอล์จากสัตว์</p> <p>การระบุกลุ่มอันตราย การทำ</p> <p>ส่วนประกอบ</p> <p>สารที่เป็นอันตราย</p> <p>รายละเอียดของข้อมูลด้านความปลอดภัย</p> <p>Chemical Group</p> <p>Chemical Group 2</p> <p>520 Salzburg</p> <p style="text-align: right;">Tel. 0043 662 2112223</p>		
<p>ข้อมูลความปลอดภัยเพิ่มเติมจาก Product safety department.</p> <p>หมายเหตุการใช้ที่เพิ่มเติม</p> <p>During normal operating times: environment protection department, Ext 123</p> <p>at other times: factory fire brigade, Ext 222</p>		
<p>2 การจำแนกความเป็นอันตราย</p>		
<p>การจำแนกประเภทของสารหรือสารผสม</p> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="text-align: center; margin-right: 10px;">  </div> <div> <p>ระเบิดที่ไวต่อไฟ</p> </div> </div> <p>Unst. Expl. H200 ระเบิดเมื่อไม่เสถียร</p> <hr/> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="text-align: center; margin-right: 10px;">  </div> <div> <p>อันตรายเฉียบพลัน</p> </div> </div> <p>Acute Tox. 1 H330 เป็นอันตรายถึงชีวิตหากสูดดมหรือจิบ</p> <hr/> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="text-align: center; margin-right: 10px;">  </div> <div> <p>เสี่ยงต่อการติดไฟ</p> </div> </div> <p>Muta. 2 H314 สัมผัสอาจเป็นอันตรายก่อให้เกิดอาการระคายเคืองตาและผิวหนัง</p> <p>Cor. 1A H350 อาจเป็นเหตุให้เกิดมะเร็ง</p> <p>Repr. 1B H360 อาจเป็นอันตรายต่อทารกในครรภ์และเด็กทารกในครรภ์</p> <p>STOT RE 2 H373 อาจเป็นอันตรายต่อสุขภาพการสืบพันธุ์ของมนุษย์</p> <p>ASTD RE 2 H304 อาจเป็นอันตรายต่อสุขภาพการสืบพันธุ์และอาจเป็นพิษต่อระบบ</p> <hr/> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="text-align: center; margin-right: 10px;">  </div> <div> <p>เสี่ยงต่อสิ่งแวดล้อม</p> </div> </div> <p>Aquatic Acute 1 H400 มีพิษมากต่อสัตว์น้ำในน้ำ</p> <p>Aquatic Chronic 1 H410 มีพิษมากต่อสัตว์น้ำในน้ำ พร้อมผลกระทบต่อแนวปะการัง</p>		

Additional SDS Information

ChemGes offers many options for the formatting and layout of SDSs. In addition to using and adapting standard formats, you can create and use your own formats.

Print settings (51.0.10)

File Edit Print settings Help

Fonts Settings for headings Lines and margins Symbols and additional design

Format: Standard format for the print-out of SDSs

Kind of text	Type	Size	Bold	Italic	Under	Color
1 Main heading	Times New Roman	14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
2 Second line of the main heading	Times New Roman	11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
3 Output of date	Times New Roman	10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
4 Product description	Times New Roman	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>
5 Section headings	Times New Roman	12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
6 Headings of second level	Times New Roman	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
7 Headings of third level	Times New Roman	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
8 Headings of fourth level	Times New Roman	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
9 Text	Times New Roman	10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
10 Continuation	Times New Roman	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>

12 Space line = 50 % Line height 13 Factor for altering line spacing 1.00

14 Justified output ☐

[Alt] Esc Exit [Ctrl A] Change to Arial [Ctrl C] Change to Courier [-] Decrease font size [+] Increase font size

Print settings (51.0.10)

File Edit Print settings Help

Fonts Settings for headings Lines and margins Symbols and additional design

Format: Self-created Template

Kind of text	Type	Size	Bold	Italic	Under	Color
2 Main heading	Times New Roman	14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
3 Second line of the main heading	Times New Roman	11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
4 Output of date	Times New Roman	10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
5 Product description	Times New Roman	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>
06 Section headings	Times New Roman	12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
7 Headings of second level	Times New Roman	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
8 Headings of third level	Times New Roman	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
9 Headings of fourth level	Times New Roman	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
10 Text	Times New Roman	10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>
11 Continuation	Times New Roman	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="radio"/>

12 Space line = 50 % Line height 13 Factor for altering line spacing 1.00

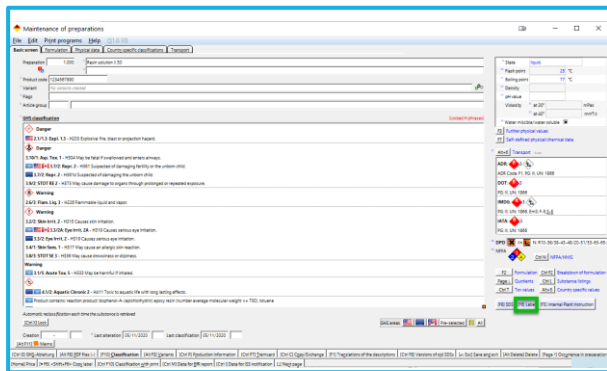
14 Justified output ☐

[Alt] Esc Exit [Alt Delete] Delete [Ctrl A] Change to Arial [Ctrl C] Change to Courier [-] Decrease font size [+] Increase font size

Depending on your settings, it is also possible to create multiple language versions of the SDS, for one country (i.e. French and English for Canada),

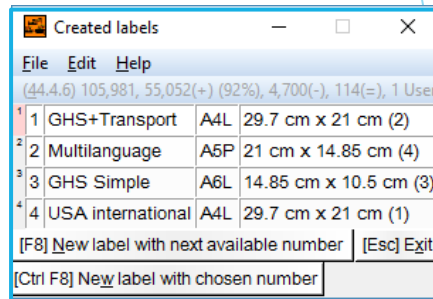
On our Homepage you can find sample SDSs in all ChemGes languages.

Generating Labels

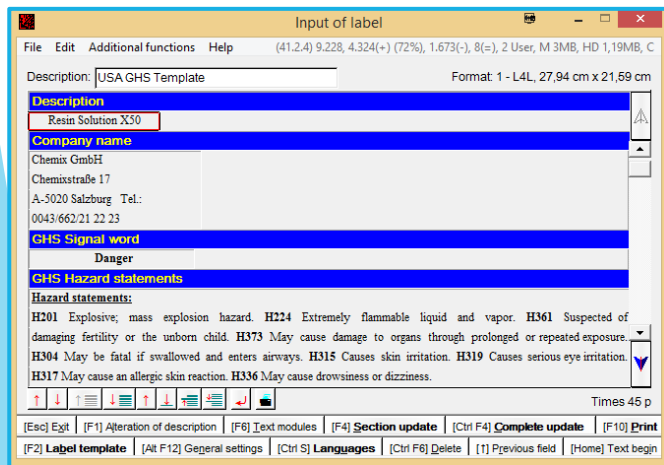


1. Press **F6** **Label**

2. Choose a Template



Note: These are sample templates. With ChemGes you can design templates based on your specific needs.



3. Make desired changes in the Editing Screen.

4. View the Final Product.

Resin Solution X50

Danger

Hazard statements:
H201 Explosive; mass explosion hazard. **H224** Extremely flammable liquid and vapor. **H361** Suspected of damaging fertility or the unborn child. **H373** May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways. **H315** Causes skin irritation. **H319** Causes serious eye irritation.
H317 May cause an allergic skin reaction. **H336** May cause drowsiness or dizziness.

Precautionary statements:
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. **P230** Keep wetted. **P241** Use explosion-proof electrical/ventilating/lighting equipment. **P250** Do not subject to grinding/shock/friction. **P260** Do not breathe dust/fume/gas/mist/vapors/spray. **P273** Water protective gloves / eye protection / face protection. **P280** Ground bond container and receiving equipment. **P242** Use only non-sparking tools. **P243** Take precautionary measures against static discharge. **P264** Wash thoroughly after handling. **P271** Use only outdoors or in a well-ventilated area. **P372** Contaminated work clothing must not be allowed out of the workplace. **P301** Obtain special instructions.

P301+P310 If SWALLOWED: Immediately call a POISON CENTER or doctor. **P360+P361+P353** If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin thoroughly. **P360+P353+P338** if in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P303+P361+P353** If swallowed: Immediately call a POISON CENTER or doctor. **P307+P312** IF SWALLOWED: Call a POISON CENTER or doctor. **P309+P311** If exposed to fire: Evacuate area. **P304+P340** If INHALED: Remove person to fresh air and keep comfortable for breathing. **P311** Call a POISON CENTER/doctor if you feel unwell. **P363** Wash contaminated clothes before reuse. **P373** Explosion risk in case of fire. **P380+P381** If exposed or concerned: Get medical advice/attention. **P391** Spill or leak could cause environmental damage. **P403+P233** Store in dry place. **P403+P231** Keep away from heat. **P403+P232** Keep away from sources of ignition - No open flames. **P403+P234** Get medical advice/attention. **P410** Protect from sunlight. **P501** Dispose of contents and container according to local regulations. **P502** Do not mix. **P503** Read label carefully. **P504** Do not get food, drink or water. **P505** Do not breathe dust. **P506** Do not eat or drink. **P507** Do not inhale. **P508** Do not touch. **P509** Do not swallow. **P510** May be harmful if swallowed. **P511** Avoid contact with skin. **P512** Avoid contact with eyes. **P513** Avoid contact with clothing. **P514** Avoid contact with water. **P515** Avoid contact with surfaces. **P516** Avoid contact with food. **P517** Avoid contact with children. **P518** Avoid contact with pets. **P519** Avoid contact with animals. **P520** Hazardous for the environment. **P521** Do not release into the environment. **P522** Do not discharge into drains. **P523** Do not discharge into surface water. **P524** Do not discharge into groundwater. **P525** Do not discharge into soil. **P526** Do not discharge into air. **P527** Do not discharge into land. **P528** Do not discharge into sea. **P529** Do not discharge into atmosphere. **P530** Do not discharge into sewerage system. **P531** Do not discharge into stormwater. **P532** Do not discharge into surface water. **P533** Do not discharge into groundwater. **P534** Do not discharge into soil. **P535** Do not discharge into air. **P536** Do not discharge into land. **P537** Do not discharge into sea. **P538** Do not discharge into atmosphere. **P539** Do not discharge into sewerage system. **P540** Do not discharge into stormwater. **P541** Do not discharge into surface water. **P542** Do not discharge into groundwater. **P543** Do not discharge into soil. **P544** Do not discharge into air. **P545** Do not discharge into land. **P546** Do not discharge into sea. **P547** Do not discharge into atmosphere. **P548** Do not discharge into sewerage system. **P549** Do not discharge into stormwater. **P550** Do not discharge into surface water. **P551** Do not discharge into groundwater. **P552** Do not discharge into soil. **P553** Do not discharge into air. **P554** Do not discharge into land. **P555** Do not discharge into sea. **P556** Do not discharge into atmosphere. **P557** Do not discharge into sewerage 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**P728** Do not discharge into sewerage system. **P729** Do not discharge into stormwater. **P730** Do not discharge into surface water. **P731** Do not discharge into groundwater. **P732** Do not discharge into soil. **P733** Do not discharge into air. **P734** Do not discharge into land. **P735** Do not discharge into sea. **P736** Do not discharge into atmosphere. **P737** Do not discharge into sewerage system. **P738** Do not discharge into stormwater. **P739** Do not discharge into surface water. **P740</**

P401 Store in accordance with local/regional/national/international regulations. **P405** Store locked up. **P403+P233** Store in a well-ventilated place. Keep container tightly closed. **P403+P235** Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

Product contains: reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700), toluene, ethyl acetate, butanol, propan-2-ol

Expiry Date
12.2015

Weight **123,00 lb**
55,79 kg

Batch Number **1**

100



123



HEALTH	2
FIRE	5
REACTIVITY	0

Chemix GmbH
Chemixstraße 17
A-5020 Salzburg Tel.:
0043/662/21 22 23

**Sample Labels can be viewed on our
Homepage www.dr-software.com**

Contact us for a no-obligation free in-house demonstration or Webex demonstration.

Functions to simplify your work

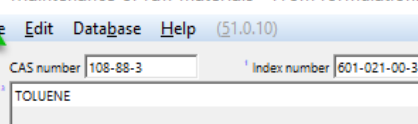
Formulation 1,000 Resin solution X 50

Substance number	Description
25068-38-6	reaction product: bisphenol-A-(epichlorohydrin)
108-88-3	toluene

[Page 1] Substance overview
 [F1] Previous line
 [Ctrl+2] [No.] Maintenance of raw materials
 [Ctrl+2] Text
 [F1] Product code
 [F10] Search for strings within the

Maintenance

Enter the **Maintenance of Raw Materials** directly from the **formulation** screen of your preparation.



Maintenance of raw materials - From formulation: 1,000

File Edit Database Help (51.0.10)

CAS number 108-88-3 Index number 601-021-00-3

TOLUENE

Product code

Variant No variants created

Main substance This substance is the main substance for another substance.

Flag

Article group Substance

Note: Additional information regarding preparations can be found in the document **Creating a Preparation** in the downloads section of our Homepage www.dr-software.com

Within the *Maintenance of Raw Materials* and the *Maintenance of Preparations* you can link **PDFs** (via **PDF files**) to a substance and call them up as a reference.

Maintenance of preparations
 File Edit Print programs Help (5.1.0.10)
 Basic screen Formulation Physical data Country specific classifications Transport
 Preparation 1.000 Resin solution x 50
 Product code 1234567890
 Variant No variants created
 Page
 Article group
 GHS classification
 Danger
 2.1/1.3. Expl. 1.3 - H203 Explosive, fire, blast or projection hazard.
 Danger
 3.10/H. Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.
 3.10/H. Repr. 2 - H361 Suspected of damaging fertility or the unborn child.
 3.10/H. Repr. 2 - H373 Suspected of damaging the unborn child.
 3.10/H. Repr. 2 - H373 May cause damage to offspring through prolonged or repeated exposure.
 Warning
 2.4/3. Flam. Liq. 3 - H226 Flammable liquid and vapor.
 Warning
 3.2/2. Skin Irrit. 2 - H315 Causes skin irritat.
 3.3/2. Eye Irrit. 2A - H319 Causes eye irrit.
 3.4/1. Skin Sens. 1 - H317 May cause an alle.
 3.8/3. STOT SE 3 - H336 May cause drowsin.
 Warning
 3.1/5. Acute Tox. 5 - H330 May be harm.
 4.1/2. Aquatic Chronic 2 - H411
 Product contains: reaction product of 2-phenyl-4-(acetylthio)phenyl epoxy resin (number average molecular weight < 700), toluene
 Automatic reclassification each time the substance is removed
 [Ctrl] [F] Load
 Creation [] Last alteration 05/12/2020 Last classification 05/12/2020
 [Alt] [F11] [Info] [Alt] [F6] [Alt] [F7] [Alt] [F8] [Alt] [F9] [Alt] [F10] [Alt] [F11] [Alt] [F12] [Alt] [F13] [Alt] [F14] [Alt] [F15] [Alt] [F16] [Alt] [F17] [Alt] [F18] [Alt] [F19] [Alt] [F20] [Alt] [F21] [Alt] [F22] [Alt] [F23] [Alt] [F24] [Alt] [F25] [Alt] [F26] [Alt] [F27] [Alt] [F28] [Alt] [F29] [Alt] [F30] [Alt] [F31] [Alt] [F32] [Alt] [F33] [Alt] [F34] [Alt] [F35] [Alt] [F36] [Alt] [F37] [Alt] [F38] [Alt] [F39] [Alt] [F40] [Alt] [F41] [Alt] [F42] [Alt] [F43] [Alt] [F44] [Alt] [F45] [Alt] [F46] [Alt] [F47] [Alt] [F48] [Alt] [F49] [Alt] [F50] [Alt] [F51] [Alt] [F52] [Alt] [F53] [Alt] [F54] [Alt] [F55] [Alt] [F56] [Alt] [F57] [Alt] [F58] [Alt] [F59] [Alt] [F60] [Alt] [F61] [Alt] [F62] [Alt] [F63] [Alt] [F64] [Alt] [F65] [Alt] [F66] [Alt] [F67] [Alt] [F68] [Alt] [F69] [Alt] [F70] [Alt] [F71] [Alt] [F72] [Alt] [F73] [Alt] [F74] [Alt] [F75] [Alt] [F76] [Alt] [F77] [Alt] [F78] [Alt] [F79] [Alt] [F80] [Alt] [F81] [Alt] [F82] [Alt] [F83] [Alt] [F84] [Alt] [F85] [Alt] [F86] [Alt] [F87] [Alt] [F88] [Alt] [F89] [Alt] [F90] [Alt] [F91] [Alt] [F92] [Alt] [F93] [Alt] [F94] [Alt] [F95] [Alt] [F96] [Alt] [F97] [Alt] [F98] [Alt] [F99] [Alt] [F100] [Alt] [F101] [Alt] [F102] [Alt] [F103] [Alt] [F104] [Alt] [F105] [Alt] [F106] [Alt] [F107] [Alt] [F108] [Alt] [F109] [Alt] [F110] [Alt] [F111] [Alt] [F112] [Alt] [F113] [Alt] [F114] [Alt] [F115] [Alt] [F116] [Alt] [F117] [Alt] [F118] [Alt] [F119] [Alt] [F120] [Alt] [F121] [Alt] [F122] [Alt] [F123] [Alt] [F124] [Alt] [F125] [Alt] [F126] [Alt] [F127] [Alt] [F128] [Alt] [F129] [Alt] [F130] [Alt] [F131] [Alt] [F132] [Alt] [F133] [Alt] [F134] [Alt] [F135] [Alt] [F136] [Alt] [F137] [Alt] [F138] [Alt] [F139] [Alt] [F140] [Alt] [F141] [Alt] [F142] [Alt] [F143] [Alt] [F144] [Alt] [F145] [Alt] [F146] [Alt] [F147] [Alt] [F148] [Alt] [F149] [Alt] [F150] [Alt] [F151] [Alt] [F152] [Alt] [F153] [Alt] [F154] [Alt] [F155] [Alt] [F156] [Alt] [F157] [Alt] [F158] [Alt] [F159] [Alt] [F160] [Alt] [F161] [Alt] [F162] [Alt] [F163] [Alt] [F164] [Alt] [F165] [Alt] [F166] [Alt] [F167] [Alt] [F168] [Alt] [F169] [Alt] [F170] [Alt] [F171] [Alt] [F172] [Alt] [F173] [Alt] [F174] [Alt] [F175] [Alt] [F176] [Alt] [F177] [Alt] [F178] [Alt] [F179] [Alt] [F180] [Alt] [F181] [Alt] [F182] [Alt] [F183] [Alt] [F184] [Alt] [F185] [Alt] [F186] [Alt] [F187] [Alt] [F188] [Alt] [F189] [Alt] [F190] [Alt] [F191] [Alt] [F192] [Alt] [F193] [Alt] [F194] [Alt] [F195] [Alt] [F196] [Alt] [F197] [Alt] [F198] [Alt] [F199] [Alt] [F200] [Alt] [F201] [Alt] [F202] [Alt] [F203] [Alt] [F204] [Alt] [F205] [Alt] [F206] [Alt] [F207] [Alt] [F208] [Alt] [F209] [Alt] [F210] [Alt] [F211] [Alt] [F212] [Alt] [F213] [Alt] [F214] [Alt] [F215] [Alt] [F216] [Alt] [F217] [Alt] [F218] [Alt] [F219] [Alt] [F220] [Alt] [F221] [Alt] [F222] [Alt] [F223] [Alt] [F224] [Alt] [F225] [Alt] [F226] [Alt] [F227] [Alt] [F228] [Alt] [F229] [Alt] [F230] [Alt] [F231] [Alt] [F232] [Alt] [F233] [Alt] [F234] [Alt] [F235] [Alt] [F236] [Alt] [F237] [Alt] [F238] [Alt] [F239] [Alt] [F240] [Alt] [F241] [Alt] [F242] [Alt] [F243] [Alt] [F244] [Alt] [F245] [Alt] [F246] [Alt] [F247] [Alt] [F248] [Alt] [F249] [Alt] [F250] [Alt] [F251] [Alt] [F252] [Alt] [F253] [Alt] [F254] [Alt] [F255] [Alt] [F256] [Alt] [F257] [Alt] [F258] [Alt] [F259] [Alt] [F260] [Alt] [F261] [Alt] [F262] [Alt] [F263] [Alt] [F264] [Alt] [F265] [Alt] [F266] [Alt] [F267] [Alt] [F268] [Alt] [F269] [Alt] [F270] [Alt] [F271] [Alt] [F272] [Alt] [F273] [Alt] [F274] [Alt] [F275] [Alt] [F276] [Alt] [F277] [Alt] [F278] [Alt] [F279] [Alt] [F280] [Alt] [F281] [Alt] [F282] [Alt] [F283] [Alt] [F284] [Alt] [F285] [Alt] [F286] [Alt] [F287] [Alt] [F288] [Alt] [F289] [Alt] [F290] [Alt] [F291] [Alt] [F292] [Alt] [F293] [Alt] [F294] [Alt] [F295] [Alt] [F296] [Alt] [F297] [Alt] [F298] [Alt] [F299] [Alt] [F300] [Alt] [F301] [Alt] [F302] [Alt] [F303] [Alt] [F304] [Alt] [F305] [Alt] [F306] [Alt] [F307] [Alt] [F308] [Alt] [F309] [Alt] [F310] [Alt] [F311] [Alt] [F312] [Alt] [F313] [Alt] [F314] [Alt] [F315] [Alt] [F316] [Alt] [F317] [Alt] [F318] [Alt] [F319] [Alt] [F320] [Alt] [F321] [Alt] [F322] [Alt] [F323] [Alt] [F324] [Alt] [F325] [Alt] [F326] [Alt] [F327] [Alt] [F328] [Alt] [F329] [Alt] [F330] [Alt] [F331] [Alt] [F332] [Alt] [F333] [Alt] [F334] [Alt] [F335] [Alt] [F336] [Alt] [F337] [Alt] [F338] [Alt] [F339] [Alt] [F340] [Alt] [F341] [Alt] [F342] [Alt] [F343] [Alt] [F344] [Alt] [F345] [Alt] [F346] [Alt] [F347] [Alt] [F348] [Alt] [F349] [Alt] [F350] [Alt] [F351] [Alt] [F352] [Alt] [F353] [Alt] [F354] [Alt] [F355] [Alt] [F356] [Alt] [F357] [Alt] [F358] [Alt] [F359] [Alt] [F360] [Alt] [F361] [Alt] [F362] [Alt] [F363] [Alt] [F364] [Alt] [F365] [Alt] [F366] [Alt] [F367] [Alt] [F368] [Alt] [F369] [Alt] [F370] [Alt] [F371] [Alt] [F372] [Alt] [F373] [Alt] [F374] [Alt] [F375] [Alt] [F376] [Alt] [F377] [Alt] [F378] [Alt] [F379] [Alt] [F380] [Alt] [F381] [Alt] [F382] [Alt] [F383] [Alt] [F384] [Alt] [F385] [Alt] [F386] [Alt] [F387] [Alt] [F388] [Alt] [F389] [Alt] [F390] [Alt

Variants

The option **[Alt] [F3] Variants** lets you create identical substances with different **Names** and **Article Numbers/Product Codes**.

In addition, any address that is created in the *Maintenance of Phrases* (*Maintenance programs – Safety Data Sheets – Text Modules*) can be allocated to a specific variant.

The screenshot displays the 'Maintenance of preparations' software interface. The main window is titled 'Maintenance of preparations' and has tabs for 'Basic screen', 'Formulation', 'Physical data', 'Country specific classifications', and 'Transport'. The 'Basic screen' tab is active, showing fields for 'Preparation' (1.000), 'Product code' (1234567890), 'Variant' (Basic substance selected - 3 variants created), 'Flags' (CLP 3, ATP: CLP 3, Color Line 3: blue), and 'Article group' (ART: General Article Group Description). A table titled 'Administration of variants' is visible, listing variants with columns for 'Product code', 'Description', 'Company', 'Company name and address', 'Article Description', 'Content', 'PCN Lock', 'EU PCS', and 'Languages'. The table shows three variants: '1234567890 Resin solution X 50', '123456 Variant 1', '13579 Variant 2', and '12468 Variant 3'. A green arrow points from the 'Variant 1' row in the table to the 'Input of variant' dialog box. The dialog box is titled 'Input of variant' and contains fields for 'Product code' (123456), 'Description' (Variant 1), 'Company in SDS' (1), 'Company' (Chemix GmbH, Chemixstraße 17, A-5020 Salzburg, Tel: 0043/662/21 22 23), 'VATIN', 'UFI' (R220-H0IW-100K-QGY1 01/21/2021), 'Do not use for PCN notification' (unchecked), 'Article group', 'Content' (for BFR report), and 'Translations'. The 'UFI' field is highlighted with a green box. The 'Input of variant' dialog box is also titled 'Input of variant' and has a menu bar with 'File', 'Edit', and 'Help'.

Substance Listings

The **Substance Listings** and a information regarding the listing status of the raw material(s) can be viewed by pressing Ctrl L **Substance Listings**.

The screenshot displays the 'Maintenance of preparations' software interface. The main window is titled 'Maintenance of preparations' and contains several tabs: 'Basic screen', 'Formulation', 'Physical data', 'Country specific classifications', and 'Transport'. The 'Basic screen' tab is active, showing fields for 'Preparation' (1.000), 'Product code' (1234567890), 'Variant' (Basic substance selected - 3 variants created), 'Flags' (CLP 3, ATP, CLP 3, Color Line 3: blue), and 'Article group' (ART). The 'Country specific classifications' tab is also visible, showing 'GHS classification' with various hazard and warning symbols and text.

Overlaid on the main window is a smaller window titled 'Listing status for Resin solution X 50'. This window displays a table of listing status information for various countries. The table has columns for 'Country', 'Listing', 'Description', 'Limit', 'Type', and 'Status'. The 'Country' column is filtered to show 'USA'. The 'Listing' column lists various regulatory lists and standards, such as EPA, HAPs, Prop 65, TSCA, IARC, NIOSH-Ca, NTP, RTK-NJ, SHSL-NJ, OSHA-Ca, PACs, RTK-PA, SHSL-PA, RLP, Prop 65 C, Prop 65 DT, Prop 65 RTF, Prop 65 RTM, RCRA, RL, SARA 313, SARA 355, TLV, TSCA, and RLWL. The 'Limit' column shows values like '> 0 %' or '0.1 %'. The 'Type' column shows values like 'Value' or 'Yes/No'. The 'Status' column shows the listing status for each country, such as '2 / 6 of the substances are included' or 'No substance is included'.

Country	Listing	Description	Limit	Type	Status
USA	EPA	Environmental Protection Agency	> 0 %	Value	2 / 6 of the substances are included
	Example	Example	> 0 %	Yes/No	No substance is included
	HAPs	Hazardous Air Pollutants	> 0 %	Yes/No	2 / 6 of the substances are included
	Prop 65 RT	Inactive listing - Prop 65 - reproductive toxicity		Yes/No	One substance is included
	TSCA new	Inactive listing - TSCA new		Value	All substances are included
	IARC	International Agency for Research on Cancer	> 0 %	Value	3 / 6 of the substances are included
	NIOSH-Ca	National Institute for Occupational Safety and Health - carcinogen	> 0 %	Yes/No	No substance is included
	NTP	National Toxicology Program	> 0 %	Value	No substance is included
	RTK-NJ	New Jersey Right-to-Know List	> 0 %	Yes/No	One substance is not included
	SHSL-NJ	New Jersey Special Hazardous Substances List	> 0 %	Value	One substance is not included
	OSHA-Ca	Occupational Safety and Health Administration - carcinogen	> 0 %	Yes/No	No substance is included
	PAC-1	PACs - Protective Action Criteria for Chemicals 1	> 0 %	Value	All substances are included
	PAC-2	PACs - Protective Action Criteria for Chemicals 2	> 0 %	Value	All substances are included
	PAC-3	PACs - Protective Action Criteria for Chemicals 3	> 0 %	Value	All substances are included
	RTK-PA	Pennsylvania Right-to-Know List	> 0 %	Yes/No	One substance is not included
	SHSL-PA	Pennsylvania Special Hazardous Substances List	> 0 %	Value	One substance is not included
	RLP	Priority for Red List		Yes/No	No substance is included
	Prop 65 C	Prop 65 - Chemicals known to cause cancer	> 0 %	Yes/No	No substance is included
	Prop 65 DT	Prop 65 - Developmental toxicity	> 0 %	Yes/No	One substance is included
	Prop 65 RTF	Prop 65 - Reproductive toxicity for females	> 0 %	Yes/No	No substance is included
	Prop 65 RTM	Prop 65 - Reproductive toxicity for males	> 0 %	Yes/No	No substance is included
	RCRA	RCRA (Resource Conservation and Recovery Act)		Value	3 / 6 of the substances are included
	RL	Red List		Yes/No	One substance is included
	SARA 313	SARA Section 313 (specific toxic chemical listings)	> 0 %	Yes/No	4 / 6 of the substances are included
	SARA 355	SARA Section 355 (extremely hazardous substances)	> 0 %	Yes/No	No substance is included
	TLV	Threshold Limit Value	> 0 %	Value	3 / 6 of the substances are included
	TSCA	TSCA (Toxic Substances Control Act)	> 0 %	Value	All substances are included
	RLWL	Watch List		Yes/No	No substance is included
	AD-DSL	Aerospace and Defense Declarable Substance List		Yes/No	No substance is included
	GADSL	Global Automotive Declarable Substance List		Value	One substance is included
	AIC	Australian Inventory of Industrial Chemicals	> 0 %	Yes/No	All substances are included
	AICS	inactive listing - Australian Inventory of Chemical Substances		Yes/No	All substances are included
	PEC	Priority Existing Chemicals	> 0 %	Yes/No	No substance is included
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons	> 0 %	Value	2 / 6 of the substances are included
	DSL	Canadian Domestic Substances List (DSL)	> 0 %	Yes/No	All substances are included
	CDI 0.1%	Canadian Ingredient disclosure list (limit 0.1%)	> 0.1 %	Yes/No	No substance is included
	CDI 1%	Canadian Ingredient disclosure list (limit 1%)	> 1 %	Yes/No	3 / 5 of the substances are included
	NDSL	Canadian Non-Domestic Substances List (NDSL)	> 0 %	Yes/No	No substance is included

Contact us for a no-obligation free in-house demonstration or webex demonstration

Quotients

The **Page ↓ Quotients** function allows you to see from where the classification comes. It shows for each Health and Environmental Hazard Class, the ingredients that lead to classification and the data for these ingredients, as well as the calculated results, country-specifically.

Toxicological values

File Edit Help (52.0.15)

GHS type **USA**

Type of test	Result	Limits				
		1	2	3	4	5 (GHS)
oral	1,000	5	50	300	2,000	5,000
dermal	1,000	50	200	1,000	2,000	5,000
inhalation	358 / 1,000 / 530	0.05	0.5	1	5	5,000

Product code	%	Cat.	oral Value	dermal Value	inhalative Value
1234567890	100,000	4	1,000		
108-88-3	21,0526	5,000		12,124	5,320
141-78-6	21,0526	5,620			1,600
67-63-0	5,2632	5,045		12,800	30
78-92-2	5,2632	6,480			
1330-20-7/1	1,000	4,300	4	2,000	4 11

Red values are default values from GHS

[Esc] Exit [F1] Change of the GHS type [Ctrl G] Only output of selected GHS types

Skin and eye corrosion and irritation

File Edit Help (51.0.0) 9.90 disk operations, C:

GHS Type **USA**

Type of hazard	Category	Cat.1	Cat.2	Standard limits (simplified)
3.2 Skin corrosion/irritation	2	≥ 5 - ≤ 1	58.2512 - < 71.2512	1: 5%; 1-2: 1%; 2: 10%
3.3 Serious eye damage/eye irritation	2A	10	> 54.7012 - < 79.8012	1: 3%; 1-2: 1%; 2: 10%

pH value 6 - < 8

Product code	Description	%	Corrosive/Irritant	Special limits
25068-38-6	reaction product: bisphenol-A-(epichlorohydrin) e	> 30.2012 - < 40.2012	2	2A
141-78-6	ethyl acetate	≥ 15.2 - 25.2	2	2A
108-88-3	toluene	≤ 15,0000	2	2A
78-92-2	butanol	5.1 - 10.2	2	2A
122-57-6	Benzalacetone	≤ 10,0000	2	
50-00-0/1	formaldehyde ... %	≥ 5 - ≤ 10	1	3.2/1: 25%; 3.2/2: 5%; 3.3/2: 5%
1330-20-7/1	xylene	3.05 - 6.05	2	
67-63-0	propan-2-ol	~ 4.2000	2A	

[Esc] Exit [F1] Change of the GHS type

Sensitizing substance

File Edit Help (52.0.0) 9.90 disk operations, C:

GHS type **USA**

Type of hazard	Category	1	1A	1B	Standard limits
Skin sensitization	1	≥ 45.2012 - < 60.2012			1, 1A: 0.1%; 1B: 1%
Respiratory sensitization					Solid/liquid: 1%; gaseous: 0.2%

Product code	Description	%	Category	Resp. syst.	Special limits
25068-38-6	reaction product: bisphenol-A-(epichlorohydrin) e ...	> 30.2012 - < 40.2012	1		
122-57-6	Benzalacetone	≤ 10,0000	1		
50-00-0/1	formaldehyde ... %	≥ 5 - ≤ 10	1		Skin: 0.2%

[Esc] Exit [F1] Change of the GHS type

Concluding Remarks:

- ChemGes facilitates the fast and easy entry of Raw Materials into the Database and the simple generation of Formulations.
- A new SDS can be generated within minutes.
- A new Label can also be generated within minutes.
- Thus, converting your SDSs and labels to GHS is quick and simple. The documents are always certain to be up-to-date.
- A large amount of easily utilized options for the creation of Label Templates ensure continuity in the conversion of old to new Labels, as well as let you design based on your needs.
- A typical ChemGes installation is usually completed within 10 minutes.
- One individual requires no more than one day of training.
- Our locations in different Time Zones facilitate faster access to Hotline support.

Contact us for *additional information* and a **no-obligation free**
in-house demonstration or *webex demonstration*

E-Mail: info@dr-software.com

Locations

Canada



DR-Software, Inc.
89 Long Lake Drive
Hammonds Plains, NS, B4B 1S6

Tel. +1 902 832 3425
Fax +1 902 832 3428

Austria
(Headquarters)



DR Software GmbH
Großmittelstraße 32
A-2601 Sollenau

Tel. +43 2628 619 00
Fax +43 2628 619 00-2

Germany



DR Software
Reuterser Strasse 23
D-36318 Schwalmtal

Tel. +49 6638 9180479
Fax +49 6638 9189731

France



Eurosoft Plus
95, Avenue Saint-Rémy
BP 10187
F-57603 Forbach

Tel. +33 3 87 84 24 20
Fax +33 3 87 84 23 95