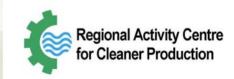


# **GHS**

Global Harmonized System



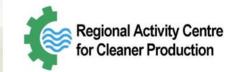


# Labels

#### HAZARD COMMUNICATION

Accurate and easily understandable information for all audiences to which it is addressed

- ★ Identification of the producer / supplier / distributor
- → Identification of the substance / product
- Pictograms
- → Signal word: "HAZARD" "ATENTION"
- → Hazard phrases: The set for each class and category that describes the nature of the hazard:
  - "Produces skin irritation"
  - "Toxic to aquatic organisms"
- Precautionary statement

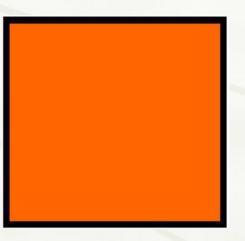


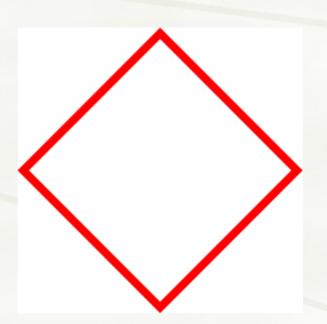


# New pictograms

UE

**GHS** 



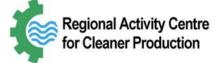






# Required information on a GHS label

- 1. Identification of the producer / supplier / distributor
  - → By the name, address and telephone number. .
- 2.- Identification of the chemical product
  - → The product identification must be the one provided by the FDS. If it is a mixture should include a description of all components that may cause adverse health effects and should be indicated on the label. The competent authority may obligate to include the name of all components. In products intended exclusively for the workplace the product identification can be included in the FDS, and not on the label. The identification of the chemical is protected by the norms on Confidential Business Information





Asesones

# 3.- Pictograms









#### 4.- Warning

They indicate the degree of seriousness of the hazard in a quick and easy form for the reader of the label. The GHS uses the words "Hazard" for more severe hazard categories or "Warning" for less serious ones.

SÍMBOLO/PALABRA OBLIGATORIO	SÍMBOLO/PALABRA FACULTATIVO	CASO EN EL QUE SE APLICA
	!	SIEMPRE
	!	PARA IRRITACIÓN CUTÁNEA U OCULAR
	!	PARA SENSIBILIZACIÓN DE LA PIEL O IRRITACIÓN CUTÁNEA U OCULAR
Peligro	Atención	SIEMPRE



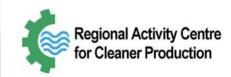


#### 5. - Hazard statement

 They are phrases that identify and supplement certain risks by describing the type of hazard and are assigned to a class and category

#### 6. - Precautionary statement

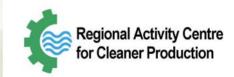
They are recommendations for action to be taken, in order to reduce or prevent adverse effects caused by exposure to a hazardous product.





Assores

The label must accompany the chemical since that is sent until it is on the workplace, and inside this all the containers must be labeled;





# Hazard

# Warning

Asesore<sup>6</sup>

High category

Low category

**ACUTE TOXICITY: INHALATION** 

T.	Category 1	Category 2	Category 3	Category 4	Category 5	
-				!	No pictogram	
	Danger	Danger	Danger	Warning	Warning	
	Cause death after inhalation	Cause death after inhalation	Toxic after inhalation	Harmful after inhalation	May be harmful following inhalation	





#### **ACUTE TOXICITY: SKIN**

X 3 3 4 7 7 4 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Category 1	Category 2	Category 3	Category 4	Category 5
			<b>⟨•••</b>	No pictogram
Danger	Danger	Danger	Warning	Warning
Fatal in	Fatal in	Toxic in	Harmful in	Harmful in
contact with	contact with	contact with	contact with	contact with
skin	skin	skin	skin	skin







# Acute toxicity(ORAL)

7		Symbol				
	Acute Toxicity (oral)	Handling	Transp.	Hazard statement	Precautionary statement	Signal Word
1	category 1 < 5 mg/kg	<b>Q</b>		Fatal if swallowed	Not harmonized yet	Danger
/	category 2 > 5 - < 50 mg/kg	2		Fatal if swallowed	Not harmonized yet	Danger
	category 3 > 50 - < 300 mg/kg	<b>(2)</b>		Toxic if swallowed	Not harmonized yet	Warning
/	category 4 > 300 - < 2.000 mg/kg	<b>(1)</b>	No symbol	Harmful if swallowed	Not harmonized yet	Warning
	category 5 > 2.000 - < 5.000 mg/kg	No symbol		Could be harmful if swallowed	Not harmonized yet	Warning



# Current EU label

**D** - BASF

The Chemical Company

UN 1263

Corial® EM Finish FR-MS

feethalt: PROPAN-2-OL) (centains: PROPAN-2-OL)

Gittig • Toxic • Taxious • Vergittig • Tóxica • Tassico + Tatus - Myrkylinen



R: 10-60-61-38-51/53 S: 53-37-45-61

BASF Aktiengesellschaft 67056 Ludwigshafen Germany Tel. +49 1800273 112

110 kg net

mont \* Dannerous nour l'environnement \* Mi. leugevaariijk • Peligroso para el medio ambien te • Perigoso para o ambiente • Pericoloso per l'ambiente • Επικίνδυνο για το περιβάλλον •

**BC-Lebeling** Unweltgelährlich + Dangerous for the environ

officiencials. Peut arrange to minute pour sendant la grussicase d'officia réfusica pour leafant, invitant pour la peux. Todique pour maniferes aquatienes, paut antiquier maniferes aquatienes, paut antiquier

serig sejectorgisiketrotekstolet.

S. EDOGSYRE DETWYLHERMERNERER,
DHE BUTTLITALAT, SOLVERT HAPTA.
Braenterig, Rue skade forstendingsvenen.
Kan gi fostenikader, kriteror huden, Giftig

THE STREET OF A SULTYPLE FOR MALES

V00003 + S0140719 + 3





Kingo coop Tenir fraist Conseque in

Art.: 57005302 Lot: 12345678W0



# Possible GHS label

# ASES - BASF

The Chemical Company

UN 1263

#### Corial® EM Finish FR-MS

Seethalt: PROPAN-2-OL1 (certains: PROPAN-2-OL)

DG-Kennzeichnung 60 Labeling





#### Danger

Keep out of the reach of children. Read label before use.

R: 10-60-61-38-51/53 S: 53-37-45-61





o Kühi lasemi Keep coot Tenir frais! Consenie in

BUTYLPHTHALATE; SOLVENT NAPHTHA 2-ETHYLHEXYLACETAT: DI-N-BUTYLPHTHALAT: SOLVENT NAPHTHA Entzündlich, Kann die Fortpflanzungsfähigkeit beeinträchtigen. Kann das Kind im Mutterleib schädigen. Reizt die Haut. Giftig für Wasserorganismen, kann in Gewässern län-

. 2-ETHYLHEXYL ACETATE; DI-N-

gerfristig schädliche Wirkungen haben. Exposition vermeiden - vor Gebrauch besonde re Anweisungen einholen. Geeignete Schutzhandschuhe tragen. Bei Unfall oder Unwohlsein sofort Arzt zuziehen. Freisetzung in die Umwelt vermeiden. Besondere Anweisungen einholen/Sicherheitsdatenblatt zu Rate ziehen. BASF Schweiz AG, Appital, 8820 Wädenswil/Au, Tel. +41 (0)44 781 91 11

Fill weight: 110 kg

@ 2-ETHYLHEXYL ACETATE: DI-N-BUTYLPHTHALATE: SOLVENT NAPHTHA. Flammable, May impair fertility, May cause harm to the unborn child. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic en

Avoid exposure - obtain special instructions before use. Wear suitable gloves. In case of accident or if you feel unwell, seek medical advice immediately. Avoid release to the environment. Refer to special instructions/Safety data

Gross weight: 115,6 kg

Art.: 57005302 Lot: 12345678W0

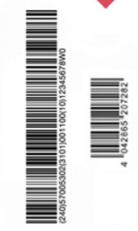
Fill date:

08/2006 Expiration date: 08/2007

BASF Aktiengesellschaft 67056 Ludwigshafen Germany

Tel. +49 1802273 112

® = Reg. Truckemark BASP



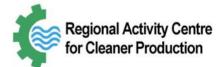
FLAMMABLE LIQUID



V00003 + S0140719 + 3





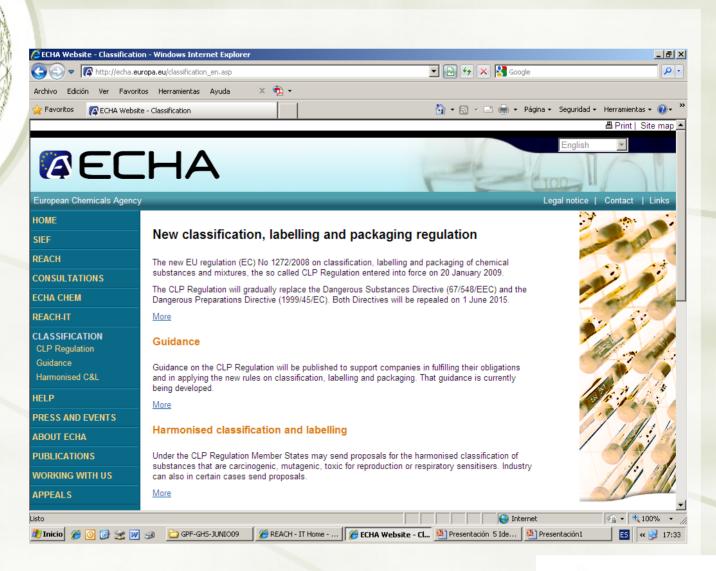








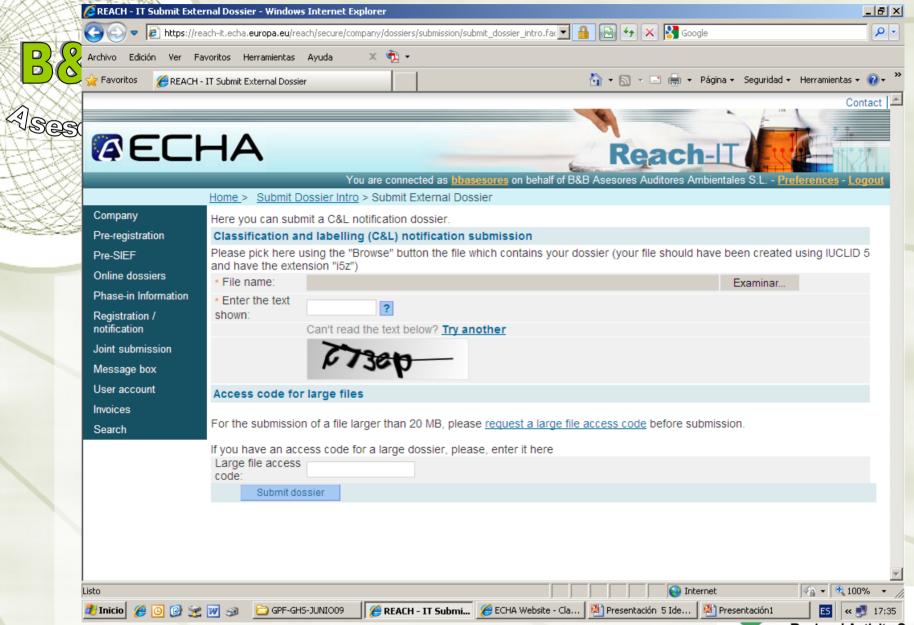










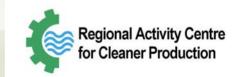








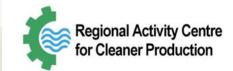
# MAIN MARKET ACCESS CONDITIONS IN THE EU UNDER REACH FOR NON-EU COMPANIES.





REACH is a European
 regulation: Only registered substances under REACH could be marketed in the EU (if they are not exempted)







 REACH is in force, and affects directly all chemical manufacturers and importers within the EU and indirectly to downstream users.

Manufacturers of substances or

 substances in mixtures outside the EU also have to follow REACH if they want to market their products in the EU, this means that the substance has to be registered.

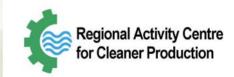






Manufacturers from outside the EU have three possibilities of having their substances registered with the European Chemicals Agency (ECHA):

- by their own agent established in the EU,
- by importers
- → by an Only Representative





## First possibility:

Registration by the non-EU company own agent established in the EU

Not all the non-EU companies have a subsidiary or an agent in the EU!!!





# Second possibility: Registration by an importer

A customer develops the registration and imports the substance into the EU market. The customer becomes an importer and he is responsible to comply with REACH for the substance that enters the EU market.

Disadvantages for the non EU company:

- + If a company sells to many clients or many substances in Europe several importers are needed: the coordination and communication with all of this importers could be difficult to manage.
- \* All EU customers who purchase to the manufacturer outside the EU will have to become importers (with the consequent efforts and expenses) or all customers would have to buy only from that importer (which would become a single distributor of the substance that is purchased from outside the EU. If the importer stops the relation to the company from outside the EU, the non-EU company couldn't sell in the EU. The importer may buy the substance of any other manufacturer outside the EU.
- Market confidential data is passed on within the manufacturer's own supply chain without control.
- This possibility is interesting when very few substances are sold in the EU and only few customers
   Regional Activity Centre

for Cleaner Production

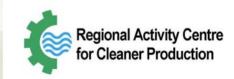


## Third possibility:

The REACH offers manufacturers outside the EU the possibility of appointing an Only Representative

It is the best business possibility because the non EU company can sell freely to all European customers!









### Only Representative (OR)

- \* "A natural or legal person established outside the Community who manufactures a substance on its own, in preparations or in articles, formulates a preparation or produces an article that is imported into the Community may by mutual agreement appoint a natural or legal person established in the Community to fulfil, as his only representative, the obligations on importers ".
- ◆ "The representative shall also comply with all other obligations of importers under this Regulation. To this end, he shall have a sufficient background in the practical handling of substances and the information related to them and, shall keep available and up-to-date information on quantities imported and customers sold to, as well as information on the supply of the latest update of the safety data sheet."
- \* "If an Only Representative is appointed, the non-Community manufacturer shall inform the importer(s) within the same supply chain of the appointment. These importers shall be regarded as downstream users for the purposes of this Regulation."







# The advantages for the non-EU manufacturer of appointing an Only Representative (OR) :

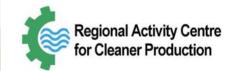
- The manufacturer does not need to have its own company in the EU.
- None of the costumers are obliged to register: facilitating the purchase.
- → Confidential data are communicated exclusively to a neutral partner.
- → The manufacturer has direct control over the registration process of its substances.





# Customers of the company outside the EU (the importers) will also benefit if the company register through an OR:

- → They buy registered substances without incurring in the costs of having to register themselves.
- → Customers will also save the costs of time and training required to develop a registration.
- → As "downstream users", customers assume less obligations than if they were registrants.





# What does the OR do

- → Comply with the obligations of REACH on behalf of the company outside the EU
- ★ Keep Client informed of REACH developments in EU.
- Understand Client's products manufacture outside the EU, client's customers and supply-chain.









- Keep informed the supply chain of the updates on the safety data sheet.
- Meet the requirements of REACH as a manufacturer of chemicals:
  - Meet the Reach requirements for the registration of the substance (send the registration and pre-registration dossier)
  - → Fulfill the obligation of share data for registration, request of authorization (if required) and notification of classification and labeling.
  - ★ Ensures that risks from the use of the substance are identified, controlled and documented (safety data sheets)
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for Cleaner Production





#### Conclusion:

Non EU Companies needs always an importer or an European Only Representative to sell in the EU:

A company outside the EU who want to sells substances in Europe and wants to continue with business, from 01 June del 2008 requires someone who is:

- ★ A subsidiary of the same company (which act as OR)
- → A European player of the same company (which act as OR)
- → A European customer (acting as importer)
- → A European OR hired by the company outside the EU
- Just in the case of a.), b) and d) the company outside the EU will be the owner of substance's registration and may sell in Europe.
- In the case of c.), the owner of registration will be the importer and the Non-EU company may only sell to them. This importer can buy the registered substance to any company outside the EU.

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or Cleaner Production



Assesoff &

# Thank you

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Regional Activity Centre for Cleaner Production

Mediterranean Action Plan

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