



Labelling – Practical examples

Transport and Supply, Multiple Languages and Small Packaging

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Transport and Supply

- The UN-GHS and the UN Recommendations for the Transport of Dangerous Goods – Model Regulations are the basis developed at UN level for drafting national/regional legislations.
- They are implemented at EU level by CLP Regulation (EC) No 1272/2008 and Directive 2008/68/EC on the inland transport of dangerous goods respectively.
- Some of the hazard classification are similar as well as some of the labels, pictograms and marks.
- Transport regulations consider the risk of hazardous materials during the transport operations.
- Therefore CLP Article 33 tends to set-off duplication of the labelling requirements for transport and supply.

Note: The examples of the CLP labels given in this presentation are fictitious as not meeting the detailed labelling requirements.

Transport Consignment Procedures



On all packages

- **UN Number** of all dangerous goods contained in each package
- **Dangerous class labels** required for the UN Number of the good (1 or 2)
- **Environment hazardous mark** on all packages > 5 l/kg meeting the classification criteria (CLP acute cat. 1, chronic cat. 1 and 2).

To Note: Dangerous goods packed in Limited Quantities

- *Each package is marked with a diamond-shaped mark of the UN numbers of the goods contained therein, or the letters "LQ"; no label, no environmental mark.*

Size of transport markings and labels

- **Labels and Markings** shall be displayed within a diamond-shaped with **minimum dimensions of 100 x 100 mm**. (If the size of the package so requires, the dimension may be reduced).

Single packaging

Transport Class 3

Supply CLP label

Version 1



Thinner X

Warning

Contains: Harmful ingredient

Flammable liquid and vapour. Harmful if inhaled.
Harmful in contact with skin. Causes skin irritation.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof / electrical / ventilating / lighting / equipment. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust / fume / gas / mist / vapours / spray. IF ON SKIN (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE / doctor / physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Store in a well-ventilated place. Keep cool.

Address of supplier



Single packaging

Transport Class 3

Supply CLP label

Version 2





Thinner X

Warning

Contains: Harmful ingredient

Flammable liquid and vapour. Harmful if inhaled.
Harmful in contact with skin. Causes skin irritation.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof / electrical / ventilating / lighting / equipment. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust / fume / gas / mist / vapours / spray. IF ON SKIN (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE / doctor / physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Store in a well-ventilated place. Keep cool.

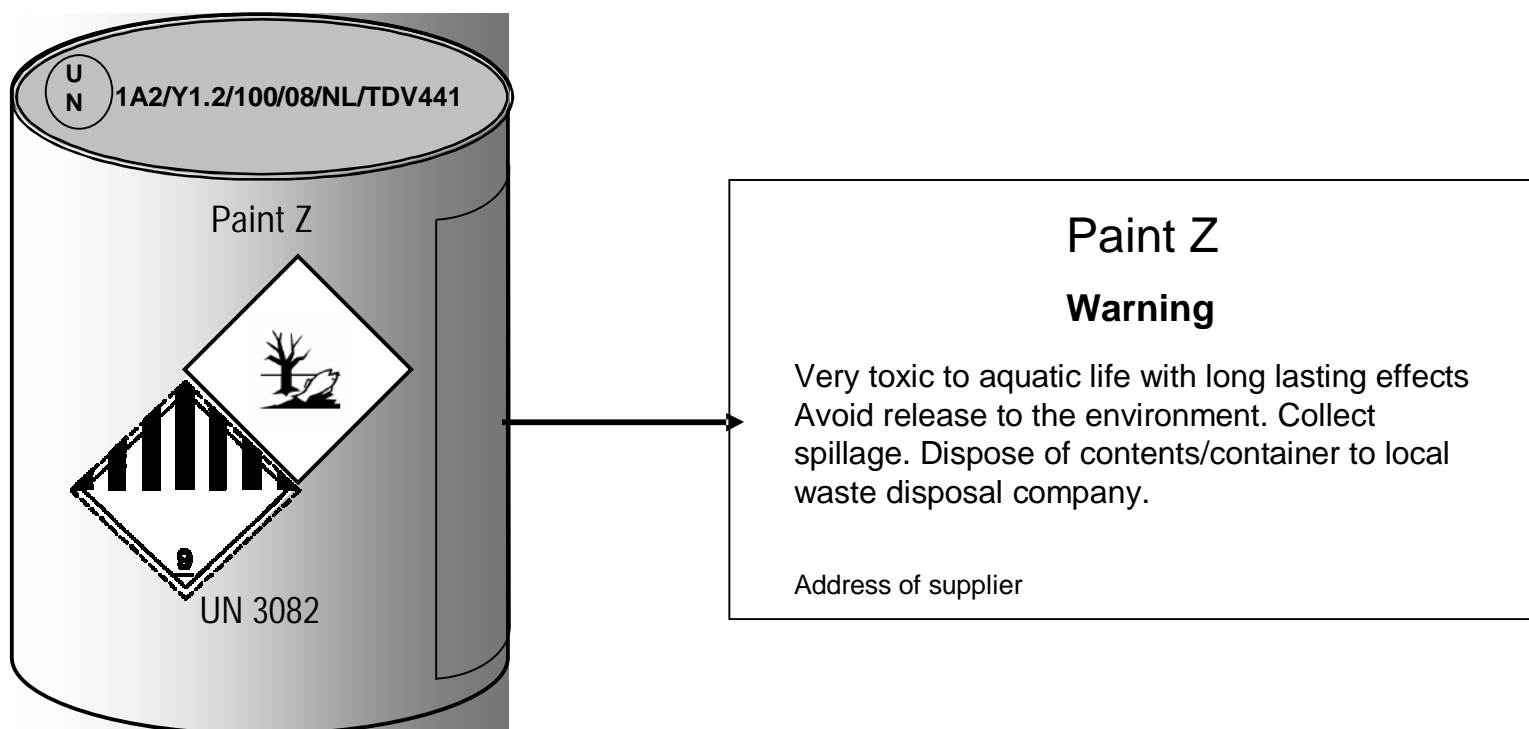
Address of supplier

Single packaging

Transport Class 9

Supply CLP label

Version 1

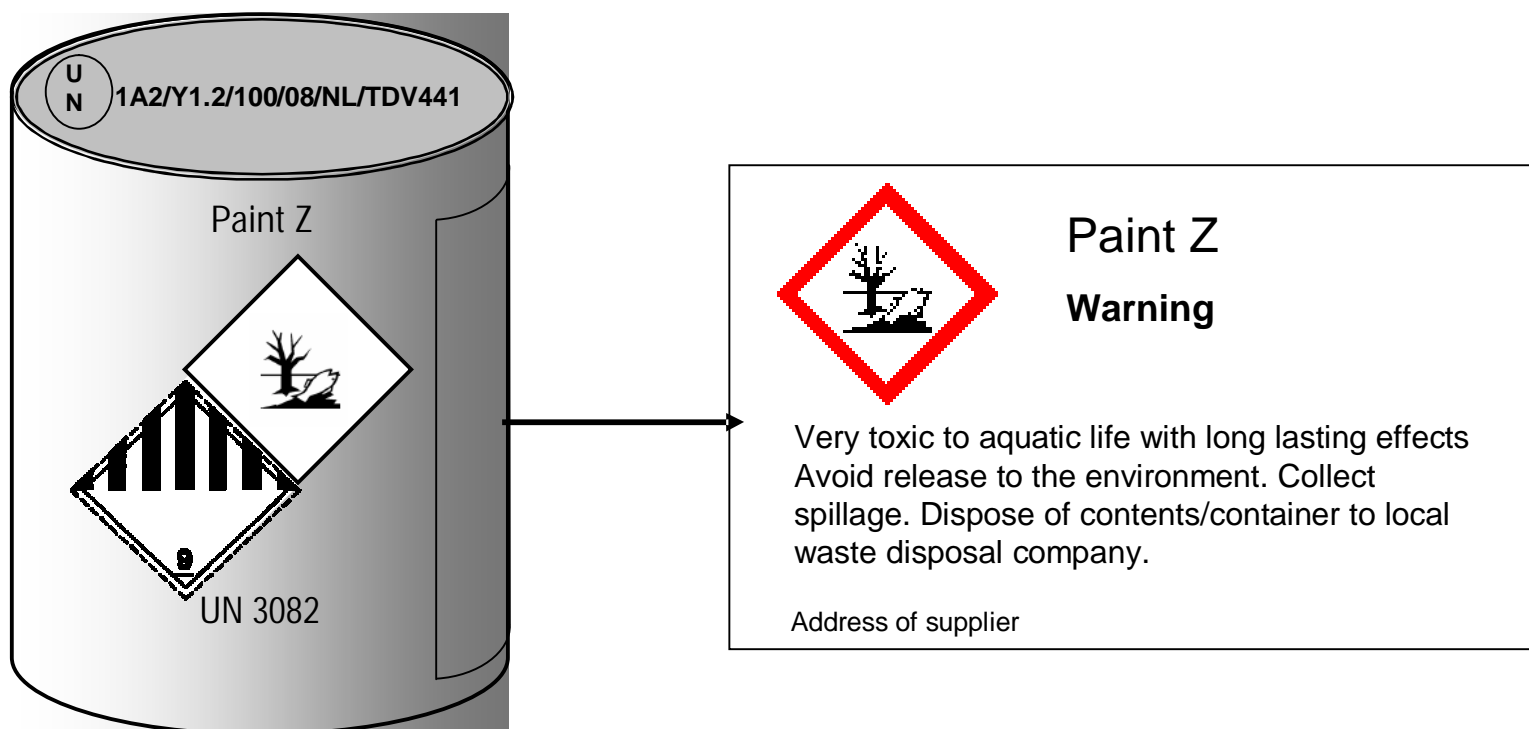


Single packaging

Transport Class 9





Supply CLP label

Version 2



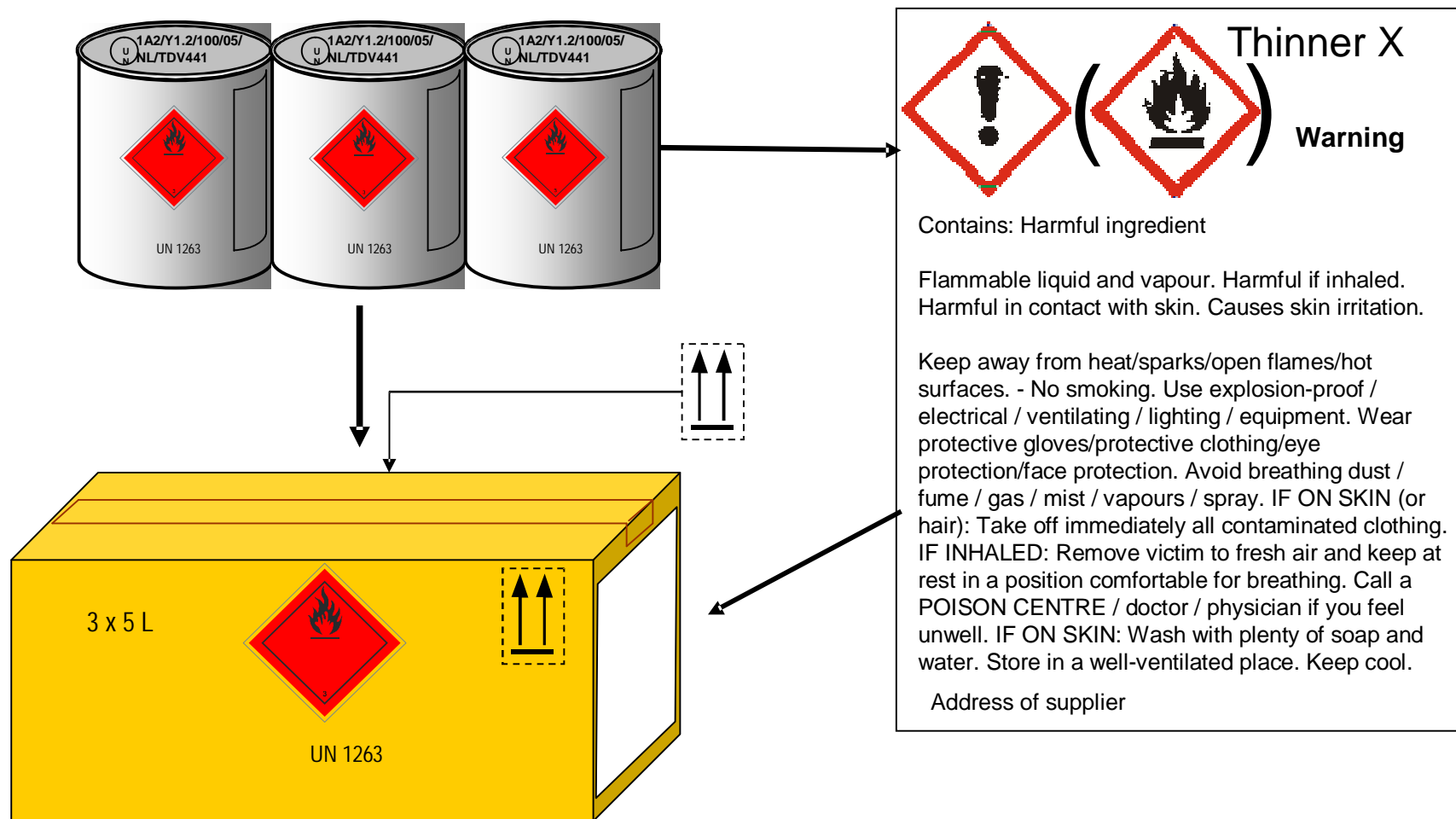
Single (large) package labelling

CLP and transport labels in one

| | | |
|--|---|--|
| <p><u>Commercial Information</u></p> <p>PRODUCT ABC</p> <p>Manufactured by</p> <p>Company XYZ</p> |  |    <p>UNXXXX & Proper Shipping Name</p> |
| <p><u>Product Information/ Use Instructions</u></p> <p>XXXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXXX</p> <p>XXXXXXXXXXXXXXXXXXXXX</p> | <p>Product Identifier</p> <p>Signal Word</p> <p>Hazard Statement 1</p> <p>Hazard Statement 2</p> <p>Precautionary Statement 1</p> <p>Precautionary Statement 2</p> <p>Precautionary Statement 3</p> <p>Supplier Identifier</p> <p>Supplemental Information:</p> <p>XXXXXXXXXXXXXXXXXXXXX</p> | |

Single in Outer packaging

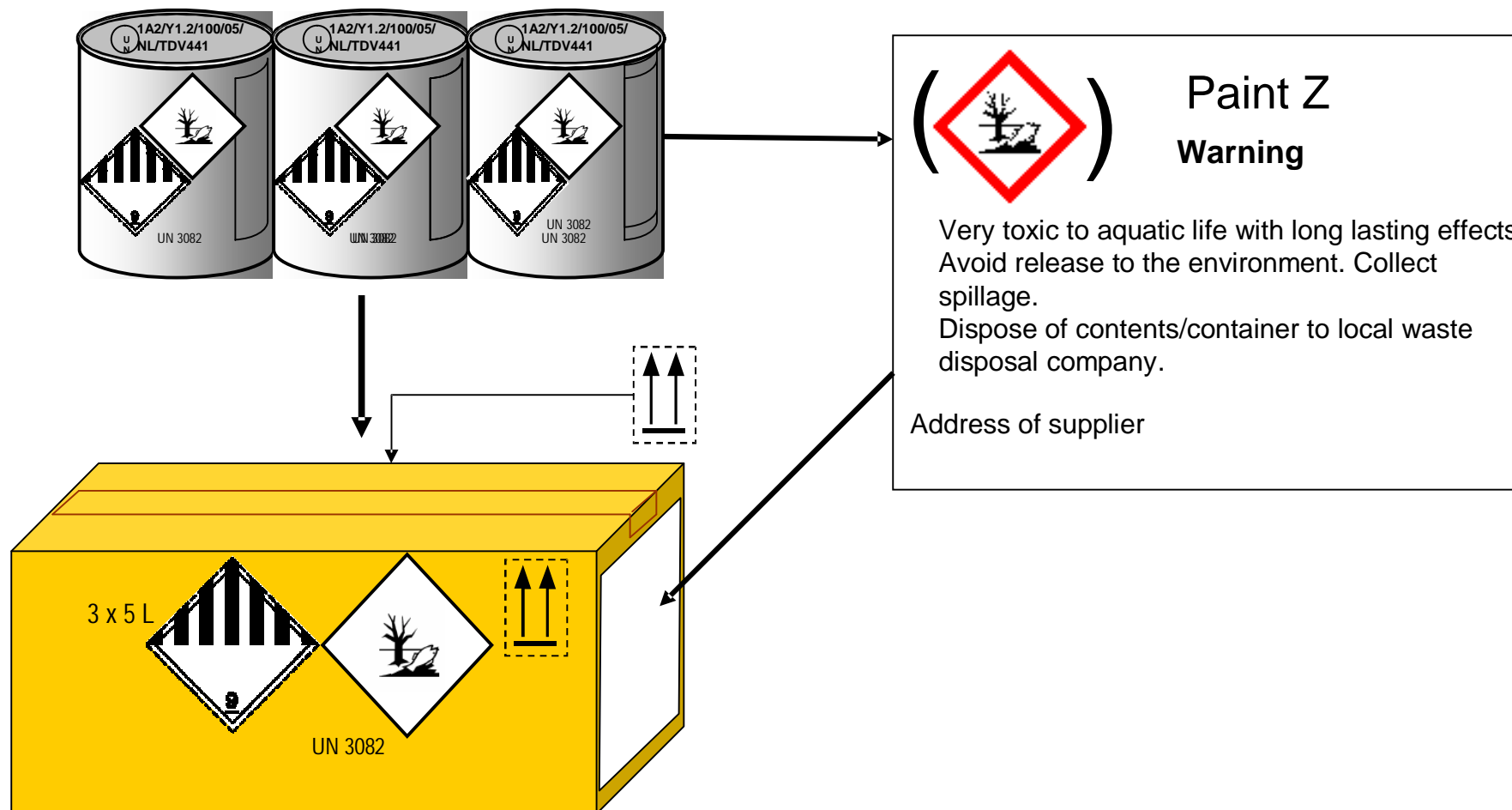
Transport Class 3 - Supply CLP label



Single in Outer packaging

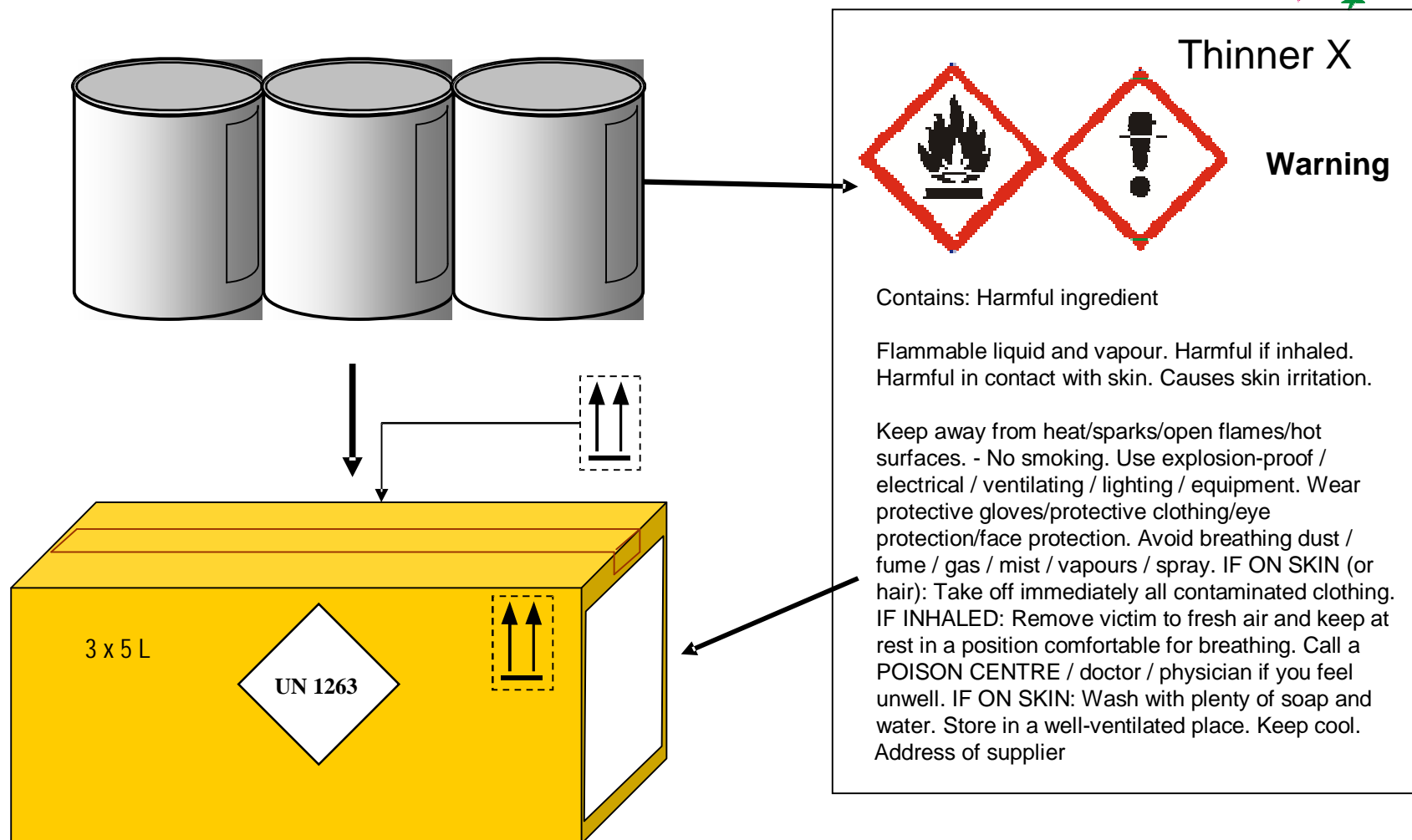
Hazardous for aquatic environment

Transport Class 9 - Supply CLP label



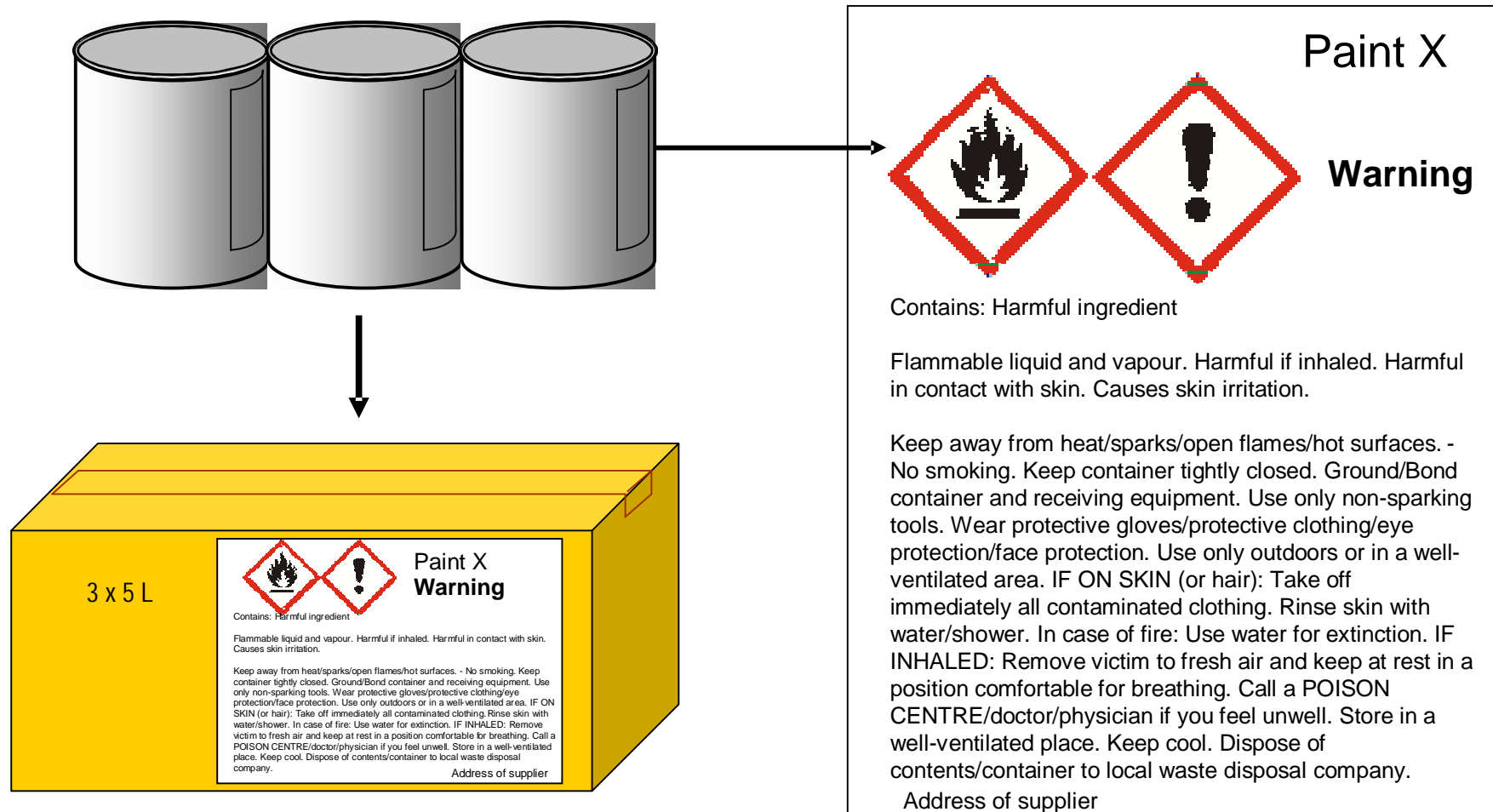
Inner in Outer packaging

Transport in Limited Quantity – Supply GHS label

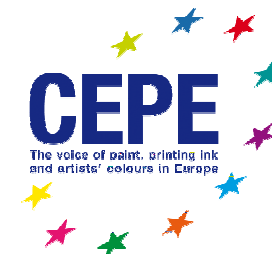


Inner in Outer packaging

Viscosity Exemption = not dangerous for transport
Supply GHS label on outer packaging



Multiple languages labelling



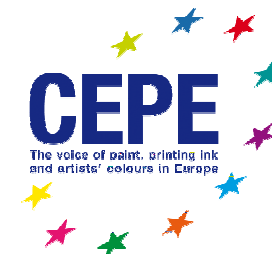
affixed on a single package, transport labels applied elsewhere

Label size: 370 x 90 mm – Pictograms size: 25 x 25 mm

| | | | | | |
|--|--|---------------------------------------|--|--|---|
| | <h2>EPOXY PAINT</h2> | | <p>Danger</p> <p>GB Flammable liquid and vapor. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Wear protective gloves. Wear eye/face protection. Keep away from ignition sources such as heat/sparks/open flame. - No smoking. Use explosion-proof electrical/ventilating/lighting/material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid release to the environment. Avoid breathing vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Take off contaminated clothing and wash before re-use. Rinse skin with water/shower. Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in cool/well-ventilated place. Dispose of contents and container in accordance with all local, regional, national and international regulations.</p> | <p>Danger</p> <p>FR Liquide et vapeurs inflammables. Provoque une irritation cutanée. Provoque des lésions oculaires graves. Peut provoquer une allergie cutanée. Toxique pour les organismes aquatiques, entraîne des effets néfastes à long terme. Porter des gants de protection. Porter un équipement de protection des yeux/du visage. Tenir à l'écart des sources d'ignition telles que chaleur/étincelles/flamme nue - Ne pas fumer. Utiliser du matériel électrique/ventilatoire/éclairage - équipement de manipulation antidéflagrants. Ne pas utiliser d'outils produisant des étincelles. Prendre des mesures de précaution contre les décharges électrostatiques. Maintenir le récipient fermé de manière étanche. Éviter le rejet dans l'environnement. Ne pas respirer les vapeurs. Se laver soigneusement après manipulation du produit. Les vêtements de travail contaminés ne doivent pas sortir du lieu de travail. Appeler immédiatement un CENTRE ANTIPOISON ou un médecin. EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Enlever immédiatement les vêtements contaminés. Enlever les vêtements contaminés et les laver avant réutilisation. Rincer la peau à l'eau ou avec du savon. Laver abondamment à l'eau et au savon. En cas d'irritation de la peau, consulter un médecin. EN CAS DE CONTACT AVEC LES YEUX: Rincer avec précaution avec de l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. Stocker dans un endroit frais/bien ventilé. Éliminer le contenu et le récipient conformément à toutes les réglementations locales, régionales, nationales et internationales.</p> | <p>Gefahr</p> <p>DE Entzündbare Flüssigkeit und Dämpfe. Wirkt reizend auf die Haut. Verursacht schwere Augenschäden. Kann eine allergische Hautreaktion hervorufen. Giftig für Wasserorganismen. Schädlich für Wasserorganismen mit längerfristig schädlichen Wirkungen. Schutzhandschuhe tragen. Schutzhelm/Gesichtsschutz tragen. Entfernen von Zündquellen wie Hitze/Funkens/Offene Flamme halten. Nicht rauchen. Explosionsgeschützte Ausrüstung für Elektrik/Ventilation/Beleuchtung/Materialumschlag verwenden. Nur funkenfreie Werkzeug benutzen. Vorsichtsmaßnahmen gegen statische Entladung treffen. Behälter dicht geschlossen halten. Freisetzung in die Umwelt vermeiden. Einatmen von Dampf vermeiden. Nach Umgang gründlich waschen. Verschmutzte Kleidung nicht außerhalb des Arbeitsortes gelangen lassen. Sofort ein GIFTZENTRUM oder einen Arzt anrufen. FALSCH AUF DER HAUT (oder Haare): Verschmutzte Kleidung sofort entfernen/aussuchen. Verschmutzte Kleidung aussuchen und vor Wiedergebrauch waschen. - Haut mit Wasser/Dusche spülen. Mit viel Seife und Wasser waschen. Bei Hautreizung oder Hautausschlag ärztlichen Rat aufsuchen. BEI AUGENKONTAKT: Vorsichtig mit Wasser für mehrere Minuten spülen. Kontaktlinsen entfernen falls vorhanden und leicht möglich. Anhaltend spülen. An einem kühlen/luftig belüfteten Ort lagern. Inhalt und Behälter in Übereinstimmung mit allen lokalen, regionalen, nationalen und internationalen Bestimmungen entsorgen.</p> |
| | <p>Important – Multi Component Product Contains (Ltr) Mixed = Base 15 Ltr / C.A. 5 Ltr 0015 Preferred thinner: Thinner Lot. No.: 123456789 Light gray RAL 7035 11150 2004/43/11A (I) 500 g/l (2007) 500 g/l (2010) Max :400 g/l VOC Best before: 2012-09-02</p> | <p>UN1263 PAINT</p> | <p>Contains: middle molecular epoxy resin MMW 1200-1220, isocyanate, bisphenol A-repochlorohydrin epoxy resin MW = 700, isocyanate. Contient: époxy constitués. See information supplied by the manufacturer.</p> | <p>Contient du (de la): résine époxyde de poids moléculaire moyen, isocyanate, bisphénol-A-époxychlorohydrin époxy résine MW = 700, isocyanate. Contiene: resina epoxi constituida. Ver la información suministrada por el fabricante.</p> | <p>Enthält: Epoxidharz mit einem mittleren Molekulargewicht, Nylol, Bisphenol-A-Epoxychlorohydrin mit durchschnittlichem Molekulargewicht = 700, Isocyanat. Enthält: epoxidharz Verbindungen. Hinweis: das Hersteller beschriften.</p> |
| | <p>SEE SAFETY DATA SHEET FOR THIS PRODUCT Company adress</p> | | | | |

| | | | | | |
|--|--|---|---|--|---|
| | <h2>ALKYD PAINT</h2> | | <p>Warning</p> <p>GB Flammable liquid and vapour. Causes mild skin irritation. Toxic to aquatic life with long lasting effects. Wear protective gloves. Wear eye/face protection. Keep away from ignition sources such as heat/sparks/open flame. - No smoking. Use explosion-proof electrical/ventilating/lighting/material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid release to the environment. Collect spillage. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical advice/attention. Store in cool/well-ventilated place. Dispose of contents and container in accordance with all local, regional, national and international regulations.</p> | <p>Attention</p> <p>FR Liquide et vapeurs inflammables. Provoque une légère irritation cutanée. Toxique pour les organismes aquatiques, entraîne des effets néfastes à long terme. Porter des gants de protection. Porter un équipement de protection des yeux/du visage. Tenir à l'écart des sources d'ignition telles que chaleur/étincelles/flamme nue - Ne pas fumer. Utiliser du matériel électrique/ventilatoire/éclairage - équipement de manipulation antidéflagrants. Ne pas utiliser d'outils produisant des étincelles. Prendre des mesures de précaution contre les décharges électrostatiques. Maintenir le récipient fermé de manière étanche. Éviter le rejet dans l'environnement. Recueillir le produit répandu. EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Enlever immédiatement les vêtements contaminés. Rincer la peau à l'eau ou avec du savon. En cas d'irritation cutanée, consulter un médecin. Stocker dans un endroit frais/bien ventilé. Éliminer le contenu et le récipient conformément à toutes les réglementations locales, régionales, nationales et internationales.</p> | <p>Warnung</p> <p>DE Entzündbare Flüssigkeit und Dämpfe. Ruft eine leichte Hautreizung hervor. Giftig für Wasserorganismen mit längerfristig schädlichen Wirkungen. Schutzhandschuhe tragen. Schutzhelm/Gesichtsschutz tragen. Entfernen von Zündquellen wie Hitze/Funkens/Offene Flamme halten. Nicht rauchen. Explosionsgeschützte Ausrüstung für Elektrik/Ventilation/Beleuchtung/Materialumschlag verwenden. Nur funkenfreie Werkzeug benutzen. Vorsichtsmaßnahmen gegen statische Entladung treffen. Behälter dicht geschlossen halten. Freisetzung in die Umwelt vermeiden. Ausgetretenes Material aufnehmen. FALSCH AUF DER HAUT (oder Haare): Verschmutzte Kleidung sofort entfernen/aussuchen. Haut mit Wasser/Dusche spülen. Bei Hautreizung ärztlichen Rat aufsuchen. An einem kühlen/luftig belüfteten Ort lagern. Inhalt und Behälter in Übereinstimmung mit allen lokalen, regionalen, nationalen und internationalen Bestimmungen entsorgen.</p> |
| | <p>Contains (Ltr) 0020 Preferred thinner: Thinner Lot. No.: 1234567890 Black RAL 9005 Shade No 2004/43/11A (I) 500 g/l (2007) 500 g/l (2010) Max :500 g/l VOC Best before: 2014-02-25</p> | <p>UN1263 PAINT. (white spirit)</p> | <p>Contains: white spirit Contains cobalt(2+) salts of C6-19 branched fatty acids, 2-butanone oxime. May produce an allergic reaction.</p> | <p>Contient du (de la): succédané d'essence de térébenthine Contient du (de la) sels de cobalt(2+) d'acides gras ramifiés C6-19, 2-butanone-oxime. Peut déclencher une réaction allergique.</p> | <p>Enthält: Testbenzin Enthält cobalt(2+) salts of C6-19 branched fatty acids, 2-butanone oxime. Kann allergische Reaktionen hervorufen.</p> |
| | <p>SEE SAFETY DATA SHEET FOR THIS PRODUCT Company adress</p> | | | | |

Labels for small packages



Small package exemptions in CLP Annex I, 1.5.2 used to reduce number of hazard statements on label

Label size: 70 x 30 mm

NB: This label is not covering any transport labelling as it is transported in larger consignments with specific outside labelling

| | | | |
|---|-----------------------------|--|---------------------------------|
| 1000000025 | K12345678 808 Lot | 25 ml | min. shelf life 31.12.08 |
| pro analysi ACS n-Hexane GR for analysis n-Hexan Index-No: 601-037-00-0 Fa. Muster KG, Musterdorf, Germany, www.mcmustermann.de Tel.: +49 (0) 1234 56-7890 | | Danger. Suspected of damaging fertility. May be fatal if swallowed and enters airways. Use personal protective equipment as required. IF SWALLOWED: Immediately call a POISON Center or doctor/physician. Do NOT induce vomiting. Gefahr. Kann vermutlich die Fruchtbarkeit beeinträchtigen. Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein. Vorgeschriebene persönliche Schutzausrüstung verwenden. BEI VERISCHLUCKEN: Sofort GIFTINFORMATIONSZENTRUM oder Arzt anrufen. KEIN Erbrechen herbeiführen. | |

Labelling and Packaging



In conclusion of the three presentations:

- There are more challenges to be faced!
- Industry appreciates the proposal of the Commission and ECHA to develop further guidance on pending hazard communication and labelling issues.

Thank you for your attention