1 Identification

- · Product identifier
- · Product Name: MIX A
- · Part Number: 507-A
- $\cdot \textbf{\textit{Application of the substance / the mixture } \textit{Certified Reference Material} \\$
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

SPEX CertiPrep, LLC.

203 Norcross Ave, Metuchen,

NJ 08840 USA

- · Information department: product safety department
- · Emergency telephone number:

Emergency Phone Number (24 hours)

CHEMTREC (800-424-9300)

Outside US: 703-527-3887

2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.

Repr. 2 H361-H362 Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children.



Acute Tox. 4 H302

Harmful if swallowed.

Eye Irrit. 2A H319 Ca

Causes serious eye irritation.

Skin Sens. 1 H317

May cause an allergic skin reaction. May cause drowsiness or dizziness.

- STOT SE 3 H336
- Label elements • GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- · Hazard pictograms







GHS02

GHS07

· Signal word Danger

· Hazard-determining components of labeling:

acetone

ethoprophos (ISO)

fenamiphos (ISO)

fenarimol (ISO)

· Hazard statements

Highly flammable liquid and vapor.

Harmful if swallowed.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children.

May cause drowsiness or dizziness.

· Precautionary statements

Avoid contact during pregnancy/while nursing.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

(Contd. on page 2)

Product Name: MIX A

(Contd. of page 1)

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Store locked up.

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

- · Classification system:
- · NFPA ratings (scale 0 4)



Health = 1 Fire = 3Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 1 Fire = 3Reactivity = 0

- · Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

| · Dangerous o | components: | |
|---------------|---|-------|
| 67-64-1 | acetone | 97.9% |
| 60168-88-9 | fenarimol (ISO) | 0.1% |
| 15972-60-8 | alachlor (ISO) | 0.1% |
| 1912-24-9 | atrazine (ISO) | 0.1% |
| 101-21-3 | chlorpropham (ISO) | 0.1% |
| 13194-48-4 | ethoprophos (ISO) | 0.1% |
| 62-73-7 | dichlorvos (ISO) | 0.1% |
| · Chemical id | entification of the substance/preparation | |
| 1610-17-9 | Atraton | 0.1% |
| 834-12-8 | ametryn (ISO) | 0.1% |
| 314-40-9 | bromacil | 0.1% |
| 2008-41-5 | butylate | 0.1% |
| 23184-66-9 | N-(butoxymethyl)-2-chloro-2',6'-diethylacetanilide | 0.1% |
| 5234-68-4 | carboxin | 0.1% |
| 22224-92-6 | fenamiphos (ISO) | 0.1% |
| 59756-60-4 | Sonar | 0.1% |
| 1134-23-2 | S-ethyl N-cyclohexylthiocarbamate | 0.1% |
| 333-41-5 | diazinon (ISO) | 0.1% |
| 957-51-7 | diphenamid (ISO) | 0.1% |
| 298-04-4 | disulfoton | 0.1% |
| 51235-04-2 | 3-cyclohexyl-6-dimethylamino-1-methyl-1,2,3,4-tetrahydro-1,3,5-triazine-2,4-dione | 0.1% |
| 150-50-5 | S,S',S"-tributyl phosphorotrithioite | 0.1% |
| 759-94-4 | EPTC (ISO) | 0.1% |

4 First-aid measures

- · Description of first aid measures
- General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- · After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing: Immediately call a doctor.

(Contd. on page 3)

Product Name: MIX A

(Contd. of page 2)

- · Information for Doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- $\cdot \textit{Protective equipment:} \ \textit{Mouth respiratory protective device}.$

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- · Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- $\cdot \textit{Conditions for safe storage, including any incompatibilities}$
- · Storage:
- $\cdot \textit{Requirements to be met by storerooms and receptacles:} \ \textit{Store in a cool location}.$
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Control parameters

· Components with limit values that require monitoring at the workplace:

67-64-1 acetone

PEL Long-term value: 2400 mg/m³, 1000 ppm

REL Long-term value: 590 mg/m³, 250 ppm

TLV Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm

BEI

15972-60-8 alachlor (ISO)

TLV Long-term value: 1* mg/m3

DSEN; *inhalable fraction and vapor

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22224-92-6 fenamiphos (ISO)

REL Long-term value: 0.1 mg/m³

Skin

TLV Long-term value: 0.05* mg/m³

Skin; BEI-A; *as inhalable fraction and vapor

298-04-4 disulfoton

REL Long-term value: 0.1 mg/m³

Skin

TLV Long-term value: 0.05* mg/m³

Skin; BEI-A; *as inhalable fraction and vapor

62-73-7 dichlorvos (ISO)

PEL Long-term value: 1 mg/m³

Skin

REL Long-term value: 1 mg/m³

Skin

TLV Long-term value: 0.1* mg/m³

Skin; DSEN;BEI-A; * inh. fraction + vapor

· Ingredients with biological limit values:

67-64-1 acetone

BEI 50 mg/L

Medium: urine Time: end of shift

Parameter: Acetone (nonspecific)

22224-92-6 fenamiphos (ISO)

BEI 70 % of baseline

Medium: red blood cells Time: discretionary

Parameter: Cholinesterase activity (nonspecific)

298-04-4 disulfoton

BEI 70 % of baseline

Medium: red blood cells Time: discretionary

Parameter: Cholinesterase activity (nonspecific)

62-73-7 dichlorvos (ISO)

BEI 70 % of baseline

Medium: red blood cells Time: discretionary

Parameter: Cholinesterase activity (nonspecific)

- · Additional information: The lists that were valid during the creation were used as basis.
- $\cdot \textit{Exposure controls}$
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· 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.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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· Penetration time of glove material

9 Physical and chemical properties

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

| · Information on basic physical and o | chemical properties |
|---------------------------------------|--|
| · General Information | |
| · Appearance: | |
| Form: | Liquid |
| Color: | According to product specification |
| · Odor: | Characteristic |
| · Odour Threshold: | Not applicable. |
| · pH-value: | Not applicable. |
| · Change in condition | |
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | 55 °C (131 °F) |
| · Flash point: | -17 °C (1 °F) |
| · Flammability (solid, gaseous): | Not applicable. |
| · Ignition temperature: | 465 °C (869 °F) |
| · Decomposition temperature: | Not applicable. |
| · Auto igniting: | Product is not selfigniting. |
| · Danger of explosion: | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · Explosion limits: | |
| Lower: | 2.6 Vol % |
| Upper: | 13.0 Vol % |
| · Vapor pressure at 20 °C (68 °F): | 233 hPa (175 mm Hg) |
| · Density | Not applicable. |
| · Relative density | Not applicable. |

Partition coefficient (n-octanol/water): Not applicable. Viscosity:

Dynamic: Kinematic:

· Vapor density · Evaporation rate

· Solubility in / Miscibility with

Not applicable. Not applicable.

Not applicable.

Not applicable.

Not miscible or difficult to mix.

· Solvent content:

 Organic solvents:
 98.4 %

 VOC content:
 0.5 %

 Solids content:
 1.9 %

· Other information No further relevant information available.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.

(Contd. on page 6)

Product Name: MIX A

· Hazardous decomposition products: No dangerous decomposition products known.

(Contd. of page 5)

11 Toxicological information

- · Information on toxicological effects

| · Acute to | xicity: | | | |
|--------------------------|--|----------------------|--|--|
| · LD/LC5 | · LD/LC50 values that are relevant for classification: | | | |
| 67-64-1 | 67-64-1 acetone | | | |
| | | 5800 mg/kg (rat) | | |
| Dermal | LD50 | 20000 mg/kg (rabbit) | | |
| 15972-6 | 0-8 ala | chlor (ISO) | | |
| Oral | LD50 | 1200 mg/kg (rat) | | |
| | | ryn (ISO) | | |
| Oral | LD50 | 1405 mg/kg (rat) | | |
| 13194-4 | 8-4 eth | oprophos (ISO) | | |
| Oral | LD50 | 62 mg/kg (rat) | | |
| Dermal | LD50 | 26 mg/kg (rat) | | |
| 298-04-4 disulfoton | | | | |
| Oral | LD50 | 2.6 mg/kg (rat) | | |
| Dermal | LD50 | 20 mg/kg (rat) | | |
| 62-73-7 dichlorvos (ISO) | | | | |
| Oral | LD50 | 56 mg/kg (rat) | | |

- · Primary irritant effect:
- · on the skin: No irritant effect.

Dermal LD50 107 mg/kg (rat)

- · on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

| · Carcinoge | enic categories | |
|-------------|---|----|
| | ternational Agency for Research on Cancer) | |
| 1912-24-9 | atrazine (ISO) | 3 |
| 101-21-3 | chlorpropham (ISO) | 3 |
| 62-73-7 | dichlorvos (ISO) | 28 |
| · NTP (Nati | ional Toxicology Program) | |
| None of th | ne ingredients is listed. | |
| · OSHA-Ca | · OSHA-Ca (Occupational Safety & Health Administration) | |

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:

None of the ingredients is listed.

- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Very toxic for fish
- · Additional ecological information:
- · General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.

(Contd. on page 7)

Product Name: MIX A

· vPvB: Not applicable.

(Contd. of page 6)

- · Other adverse effects No further relevant information available.

13 Disposal considerations

- $\cdot \ Waste \ treatment \ methods$
- Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- · Uncleaned packagings:

Code

· Recommendation: Disposal must be made according to official regulations.

| Transport information | |
|---|--|
| UN-Number DOT, ADR, IMDG, IATA | UN1090 |
| UN proper shipping name DOT, IATA ADR IMDG | Acetone 1090 Acetone, ENVIRONMENTALLY HAZARDOUS ACETONE, MARINE POLLUTANT |
| Transport hazard class(es) | |
| DOT TLAMMAGE 12220 | |
| Class Label | 3 Flammable liquids 3 |
| Class | 3 Flammable liquids |
| Ciass Label | 3 Flammable liquids 3 |
| Class | 3 Flammable liquids |
| Label | 3 |
| Packing group DOT, ADR, IMDG, IATA | II |
| Environmental hazards: Marine pollutant: Special marking (ADR): | Product contains environmentally hazardous substances: alachlor (IS ametryn (ISO) Symbol (fish and tree) Symbol (fish and tree) |
| Special precautions for user Danger code (Kemler): EMS Number: Stowage Category | Warning: Flammable liquids 33 F-E,S-D E |

Not applicable.

Product Name: MIX A

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Transport/Additional information:

ADR
Excepted quantities (EQ)

Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

IMDG
Limited quantities (LQ)

Excepted quantities (EQ)

Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

UN ''Model Regulation'':

UN 1090 ACETONE, 3, II, ENVIRONMENTALLY HAZARDOUS

| Sara Section 355 (extreme 22224-92-6 fenamip 13194-48-4 ethoprop 298-04-4 disulfote 62-73-7 dichlory Section 313 (Specific 60168-88-9 fenarime 15972-60-8 alachlor 1912-24-9 atrazine 834-12-8 ametryn 314-40-9 bromaci 5234-68-4 carboxir 13194-48-4 ethoprop 1134-23-2 S-ethyl 1 333-41-5 diazinon 957-51-7 diphena 62-73-7 dichlory | chos (ISO) cos (ISO) cos (ISO) cos (ISO) cos (ISO) |
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| 62-73-7 dichlory Section 313 (Specific 60168-88-9 fenarim 15972-60-8 alachlor 1912-24-9 atrazine 834-12-8 ametryn 314-40-9 bromaci 5234-68-4 carboxir 13194-48-4 ethoprop 1134-23-2 S-ethyl 1 333-41-5 diazinon 957-51-7 diphena 62-73-7 dichlory | Social Content Conte |
| Section 313 (Specific 60168-88-9 fenarima 15972-60-8 alachlor 1912-24-9 atrazine 834-12-8 ametryn 314-40-9 bromaci 5234-68-4 carboxir 13194-48-4 ethoprof 1134-23-2 S-ethyl I 333-41-5 diazinor 957-51-7 diphena 62-73-7 dichlory | toxic chemical listings): col (ISO) |
| 60168-88-9 fenarima 15972-60-8 alachlor 1912-24-9 atrazine 834-12-8 ametryn 314-40-9 bromaci 5234-68-4 carboxin 13194-48-4 ethoprof 1134-23-2 S-ethyl I 333-41-5 diazinor 957-51-7 diphena 62-73-7 dichlory | ol (ISO) |
| 15972-60-8 alachlor 1912-24-9 atrazine 834-12-8 ametryn 314-40-9 bromaci 5234-68-4 carboxir 13194-48-4 ethoprof 1134-23-2 S-ethyl I 333-41-5 diazinor 957-51-7 diphena 62-73-7 dichlory | (ISO) (ISO) (ISO) (ISO) I Ohos (ISO) N-cyclohexylthiocarbamate (ISO) mid (ISO) |
| 1912-24-9 atrazine 834-12-8 ametryn 314-40-9 bromaci 5234-68-4 carboxir 13194-48-4 ethoprol 1134-23-2 S-ethyl I 333-41-5 diazinon 957-51-7 diphena 62-73-7 dichlory | (ISO) (ISO) (ISO) I phos (ISO) V-cyclohexylthiocarbamate (ISO) mid (ISO) |
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| 5234-68-4 carboxii 13194-48-4 ethoproj 1134-23-2 S-ethyl I 333-41-5 diazinor 957-51-7 diphena 62-73-7 dichlory | n ohos (ISO) N-cyclohexylthiocarbamate t (ISO) mid (ISO) |
| 13194-48-4 ethoproj 1134-23-2 S-ethyl I 333-41-5 diazinor 957-51-7 diphena 62-73-7 dichlory | ohos (ISO) N-cyclohexylthiocarbamate (ISO) mid (ISO) |
| 1134-23-2 S-ethyl I 333-41-5 diazinon 957-51-7 diphena 62-73-7 dichlory | N-cyclohexylthiocarbamate t (ISO) mid (ISO) |
| 333-41-5 diazinon 957-51-7 diphena 62-73-7 dichlory | n (ISO) mid (ISO) |
| 957-51-7 diphena 62-73-7 dichlory | mid (ISO) |
| 62-73-7 dichlory | |
| | os (ISO) |
| 51225 04 2 21-1 | |
| 31233-04-2 3-cyclor | exyl-6-dimethylamino-1-methyl-1,2,3,4-tetrahydro-1,3,5-triazine-2,4-dione |
| | ributyl phosphorotrithioite |
| 759-94-4 EPTC (I | (SO) |
| TSCA (Toxic Substa | nces Control Act): |
| 67-64-1 acetone | |
| 60168-88-9 fenarime | ol (ISO) |
| 1912-24-9 atrazine | (ISO) |
| 2008-41-5 butylate | |
| 59756-60-4 Sonar | |
| 333-41-5 diazinor | (ISO) |
| 62-73-7 dichlory | |
| | exyl-6-dimethylamino-1-methyl-1,2,3,4-tetrahydro-1,3,5-triazine-2,4-dione |
| | ributyl phosphorotrithioite |
| 759-94-4 EPTC (I | (SO) |
| Proposition 65 | |
| Chemicals known to | |
| 15972-60-8 alachlor | |
| 13194-48-4 ethoprop | |
| 62-73-7 dichlorv | os (ISO) |

Product Name: MIX A

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• Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

• Chemicals known to cause developmental toxicity:

1912-24-9 atrazine (ISO)

1134-23-2 S-ethyl N-cyclohexylthiocarbamate

759-94-4 EPTC (ISO)

· Carcinogenic categories

| · EPA (Envir | onmental Protection Agency) | |
|--------------|--|-----------|
| 67-64-1 ace | rtone | I |
| 62-73-7 dic | hlorvos (ISO) | B2 |
| · TLV (Thres | hold Limit Value established by ACGIH) | |
| 67-64-1 | acetone | A4 |
| 15972-60-8 | alachlor (ISO) | <i>A3</i> |
| 1912-24-9 | atrazine (ISO) | A4 |
| 314-40-9 | bromacil | A3 |
| 22224-92-6 | fenamiphos (ISO) | A4 |
| 333-41-5 | diazinon (ISO) | A4 |
| 298-04-4 | disulfoton | A4 |
| 62-73-7 | dichlorvos (ISO) | A4 |

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

- · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- · Hazard pictograms







GHS02

GHS07

GHS08

- · Signal word Danger
- $\cdot \textit{Hazard-determining components of labeling:}$

acetone

 $ethoprophos\ (ISO)$

fenamiphos (ISO)

fenarimol (ISO)

· Hazard statements

Highly flammable liquid and vapor.

Harmful if swallowed.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children.

May cause drowsiness or dizziness.

· Precautionary statements

 $A void\ contact\ during\ pregnancy/while\ nursing.$

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

 ${\it If on skin (or hair): Take of fimme diately all contaminated clothing. Rinse skin with water/shower.}$

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Store locked up.

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

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: product safety department
- · Contact:

SPEX CertiPrep, LLC.

1-732-549-7144

· Date of preparation / last revision 07/12/2016 / -

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Safety Data Sheet acc. to OSHA HCS

Printing date 07/12/2016 Reviewed on 07/12/2016

Product Name: MIX A

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· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health TLV: Threshold Limit Value

TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Acute Tox. 4: Acute toxicity, Hazard Category 4
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Carc. 2: Carcinogenicity, Hazard Category 2
Rang 2: Reproductive toxicity, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3