

Safety Data Sheet acc. to OSHA HCS

Printing date 05/29/2015

Reviewed on 05/29/2015

1 Identification

- **Product identifier**
- **Trade name:** IMP168 Weld Thru Primer - Copper
- **Article number:** IMP168
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Manufactured for Refinish Distributors Alliance
PO Box 10431 Jackson, TN 38308
- **Information department:** 731 394 9366 Refinish Distributor Alliance www.impactcollisionsolutions.com
- **Emergency telephone number:** CHEMTREC 1-800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 GHS04 Flame, Gas cylinder

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.



GHS08 Health hazard

| | | |
|-----------|------|--|
| Muta. 1B | H340 | May cause genetic defects. |
| Carc. 1B | H350 | May cause cancer. |
| Repr. 1B | H360 | May damage fertility or the unborn child. |
| STOT RE 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |



GHS07

| | | |
|---------------|------|------------------------------------|
| Skin Irrit. 2 | H315 | Causes skin irritation. |
| Eye Irrit. 2A | H319 | Causes serious eye irritation. |
| STOT SE 3 | H336 | May cause drowsiness or dizziness. |

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**

GHS02 GHS04 GHS07 GHS08

· **Signal word** *Danger*· **Hazard-determining components of labeling:**

toluene
acetone
Stoddard solvent
methyl acetate

· **Hazard statements**

H222-H229 *Extremely flammable aerosol. Pressurized container: May burst if heated.*

H315 *Causes skin irritation.*

H319 *Causes serious eye irritation.*

H340 *May cause genetic defects.*

H350 *May cause cancer.*

H360 *May damage fertility or the unborn child.*

H336 *May cause drowsiness or dizziness.*

H373 *May cause damage to organs through prolonged or repeated exposure.*

· **Precautionary statements**

P210 *Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*

P251 *Pressurized container: Do not pierce or burn, even after use.*

P260 *Do not breathe dust/fume/gas/mist/vapors/spray.*

P211 *Do not spray on an open flame or other ignition source.*

P280 *Wear protective gloves.*

P280 *Wear eye protection / face protection.*

P305+P351+P338 *If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

P321 *Specific treatment (see on this label).*

P304+P340 *IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.*

P312 *Call a poison center/doctor if you feel unwell.*

P308+P313 *IF exposed or concerned: Get medical advice/attention.*

P405 *Store locked up.*

P410+P412 *Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.*

P403+P233 *Store in a well-ventilated place. Keep container tightly closed.*

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

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

Health = 1

Fire = 4

Reactivity = 3

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· **HMIS-ratings (scale 0 - 4)**

| | | |
|------------|----|----------------|
| HEALTH | *1 | Health = *1 |
| FIRE | 4 | Fire = 4 |
| REACTIVITY | 3 | Reactivity = 3 |

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

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Mixture: consisting of the following components.
Weight percentages

· **Dangerous components:**

| | | |
|-------------|--|----------|
| 67-64-1 | acetone | 13 - 30% |
| 68476-86-8 | Petroleum gases, liquefied, sweetened | 13 - 30% |
| 79-20-9 | methyl acetate | 7 - 10% |
| 108-88-3 | toluene | 7 - 10% |
| 7440-50-8 | copper | 7 - 10% |
| 98-56-6 | 4-chloro-alpha,alpha,alpha-trifluorotoluene | 5 - 7% |
| 7440-66-6 | zinc powder -zinc dust | 1.5 - 5% |
| | EPOXY RESIN | 1.5 - 5% |
| 1330-20-7 | xylene | 1.5 - 5% |
| 12001-26-2 | Mica | 1-1.5% |
| 123-86-4 | n-butyl acetate | 1-1.5% |
| 100-41-4 | ethylbenzene | ≤1% |
| 143860-04-2 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | ≤1% |
| 90218-35-2 | Dodecylbenzenesulfonic acid with 2-propanamine | ≤1% |
| 8052-41-3 | Stoddard solvent | ≤1% |

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **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**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
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:**
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**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about protection against explosions and fires:**
Do not spray on a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.

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- **Further information about storage conditions:**
 - Keep receptacle tightly sealed.
 - Do not gas tight seal receptacle.
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat and direct sunlight.
- **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/m ³ , 1000 ppm |
| REL | Long-term value: 590 mg/m ³ , 250 ppm |
| TLV | Short-term value: (1782) NIC-1187 mg/m ³ , (750) NIC-500 ppm Long-term value: (1188) NIC-594 mg/m ³ , (500) NIC-250 ppm BEI |

79-20-9 methyl acetate

| | |
|-----|---|
| PEL | Long-term value: 610 mg/m ³ , 200 ppm |
| REL | Short-term value: 760 mg/m ³ , 250 ppm Long-term value: 610 mg/m ³ , 200 ppm |
| TLV | Short-term value: 757 mg/m ³ , 250 ppm Long-term value: 606 mg/m ³ , 200 ppm |

108-88-3 toluene

| | |
|-----|---|
| PEL | Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift |
| REL | Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm |
| TLV | Long-term value: 75 mg/m ³ , 20 ppm BEI |

7440-50-8 copper

| | |
|-----|--|
| PEL | Long-term value: 1* 0.1** mg/m ³ as Cu *dusts and mists **fume |
| REL | Long-term value: 1* 0.1** mg/m ³ as Cu *dusts and mists **fume |
| TLV | Long-term value: 1* 0.2** mg/m ³ *dusts and mists; **fume; as Cu |

1330-20-7 xylene

| | |
|-----|---|
| PEL | Long-term value: 435 mg/m ³ , 100 ppm |
| REL | Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm |

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TLV Short-term value: 651 mg/m³, 150 ppm
Long-term value: 434 mg/m³, 100 ppm
BEI

12001-26-2 Mica

PEL Long-term value: 20 mppcf ppm
<1% crystalline silica
REL Long-term value: 3* mg/m³
*respirable dust; containing < 1% quartz
TLV Long-term value: 3* mg/m³
*as respirable fraction

123-86-4 n-butyl acetate

PEL Long-term value: 710 mg/m³, 150 ppm
REL Short-term value: 950 mg/m³, 200 ppm
Long-term value: 710 mg/m³, 150 ppm
TLV Short-term value: 950 mg/m³, 200 ppm
Long-term value: 713 mg/m³, 150 ppm

8052-41-3 Stoddard solvent

PEL Long-term value: 2900 mg/m³, 500 ppm
REL Long-term value: 350 mg/m³
Ceiling limit value: 1800* mg/m³
*15-min
TLV Long-term value: 525 mg/m³, 100 ppm

· Ingredients with biological limit values:**67-64-1 acetone**

BEI 50 mg/L
Medium: urine
Time: end of shift
Parameter: Acetone (nonspecific)

108-88-3 toluene

BEI 0.02 mg/L
Medium: blood
Time: prior to last shift of workweek
Parameter: Toluene

0.03 mg/L
Medium: urine
Time: end of shift
Parameter: Toluene

0.3 mg/g creatinine
Medium: urine
Time: end of shift
Parameter: o-Cresol with hydrolysis (background)

1330-20-7 xylene

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BEI 1.5 g/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Methylhippuric acids

· **Additional information:** The lists that were valid during the creation were used as basis.

· **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.

Store protective clothing separately.

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:**

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



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **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.

· **Penetration time of glove material**

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

* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Aerosol

Color: According to product specification

· **Odor:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

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| | |
|---|--|
| · Change in condition | |
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | 55 °C |
| · Flash point: | -103 °C |
| · Flammability (solid, gaseous): | Not applicable. |
| · Ignition temperature: | 455 °C |
| · Decomposition temperature: | Not determined. |
| · Auto igniting: | Product is not selfigniting. |
| · Danger of explosion: | In use, may form flammable/explosive vapour-air mixture. |
| · Explosion limits: | |
| Lower: | 1.9 Vol % |
| Upper: | 13.0 Vol % |
| · Vapor pressure at 20 °C: | 233 hPa |
| · Density at 20 °C: | 0.85429 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Evaporation rate | Not applicable. |
| · Solubility in / Miscibility with Water: | Not miscible or difficult to mix. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | 79.4 % |
| VOC content: | 37.4 % |
| | 542.0 g/l / 4.52 lb/gl |
| Solids content: | 19.4 % |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity**
- **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.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

108-88-3 toluene

| | | |
|------------|----------|----------------------|
| Oral | LD50 | 5000 mg/kg (rat) |
| Dermal | LD50 | 12124 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 5320 mg/l (mouse) |

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **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:
Irritant

Carcinogenic.

The product can cause inheritable damage.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

| | | |
|-----------|--------------|-------------------------------------|
| 108-88-3 | toluene | 3 |
| 1330-20-7 | xylene | 3 |
| 100-41-4 | ethylbenzene | 2B |
| | BENTONITE | suspected carcinogen <2% 14808-60-7 |

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

* 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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

Harmful to aquatic organisms

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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· **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

* 14 Transport information

- | | |
|--|--|
| <ul style="list-style-type: none"> · UN-Number · DOT, ADR, IMDG, IATA | <p style="margin-left: 20px;">UN1950</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR · IMDG · IATA | <p style="margin-left: 20px;">Aerosols, flammable 1950 Aerosols, ENVIRONMENTALLY HAZARDOUS AEROSOLS (copper, 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine) AEROSOLS, flammable</p> |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | <div style="display: flex; align-items: center; gap: 10px;">   </div> <p style="margin-left: 20px;">2.1</p> |
| <ul style="list-style-type: none"> · Class · Label | <p style="margin-left: 20px;">2.1 2.1</p> |
| <ul style="list-style-type: none"> · ADR | <div style="display: flex; align-items: center; gap: 10px;">   </div> <p style="margin-left: 20px;">2 5F Gases</p> |
| <ul style="list-style-type: none"> · Class · Label | <p style="margin-left: 20px;">2.1 2.1</p> |
| <ul style="list-style-type: none"> · IMDG | <div style="display: flex; align-items: center; gap: 10px;">   </div> <p style="margin-left: 20px;">2.1</p> |
| <ul style="list-style-type: none"> · Class | <p style="margin-left: 20px;">2.1</p> |

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· **Label** 2.1· **IATA**· **Class** 2.1· **Label** 2.1· **Packing group**· **DOT, ADR, IMDG, IATA** Void· **Environmental hazards:** Product contains environmentally hazardous substances: zinc powder -zinc dust· **Marine pollutant:** Yes· **Special marking (ADR):** Symbol (fish and tree)· **Special marking (ADR):** Symbol (fish and tree)· **Special precautions for user** Warning: Gases· **EMS Number:** F-D,S-U· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.· **Transport/Additional information:**· **DOT**· **Quantity limitations** On passenger aircraft/rail: 75 kg

On cargo aircraft only: 150 kg

· **Remarks** Special marking with the symbol (fish and tree).· **ADR**· **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity· **IMDG**· **Limited quantities (LQ)** 1L· **Excepted quantities (EQ)** Code: E0
Not permitted as Excepted Quantity· **UN "Model Regulation":** UN1950, Aerosols, ENVIRONMENTALLY HAZARDOUS, 2.1

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

108-88-3 toluene

7440-50-8 copper

7440-66-6 zinc powder -zinc dust

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| | |
|-----------|--------------------|
| 1330-20-7 | xylene |
| 100-41-4 | ethylbenzene |
| 7429-90-5 | aluminium |
| | COBALT CARBOXYLATE |

· TSCA (Toxic Substances Control Act):

| | |
|-------------|--|
| 67-64-1 | acetone |
| 68476-86-8 | Petroleum gases, liquefied, sweetened |
| 79-20-9 | methyl acetate |
| 108-88-3 | toluene |
| 7440-50-8 | copper |
| 98-56-6 | 4-chloro-alpha,alpha,alpha-trifluorotoluene |
| 7440-66-6 | zinc powder -zinc dust |
| 1330-20-7 | xylene |
| 123-86-4 | n-butyl acetate |
| 100-41-4 | ethylbenzene |
| 143860-04-2 | 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine |
| 90218-35-2 | Dodecylbenzenesulfonic acid with 2-propanamine |
| 8052-41-3 | Stoddard solvent |
| 96-29-7 | 2-butanone oxime |
| 67701-03-5 | FATTY ACID |

· Proposition 65

· Chemicals known to cause cancer:

| | |
|-----------|--------------|
| 1330-20-7 | xylene |
| 100-41-4 | ethylbenzene |

· Chemicals known to cause reproductive toxicity for females:

| | |
|----------|---------|
| 108-88-3 | toluene |
|----------|---------|

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

| | |
|----------|---------|
| 108-88-3 | toluene |
|----------|---------|

· Cancerogenity categories

· EPA (Environmental Protection Agency)

| | | |
|-----------|------------------------|----------|
| 67-64-1 | acetone | I |
| 108-88-3 | toluene | II |
| 7440-50-8 | copper | D |
| 7440-66-6 | zinc powder -zinc dust | D, I, II |
| 1330-20-7 | xylene | I |
| 100-41-4 | ethylbenzene | D |

· TLV (Threshold Limit Value established by ACGIH)

| | | |
|-----------|---------|----|
| 67-64-1 | acetone | A4 |
| 108-88-3 | toluene | A4 |
| 1330-20-7 | xylene | A4 |

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| | | |
|-----------|--------------|----|
| 100-41-4 | ethylbenzene | A3 |
| 7429-90-5 | aluminium | 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 GHS04 GHS07 GHS08

· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

toluene

acetone

Stoddard solvent

methyl acetate

· **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H360 May damage fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P211 Do not spray on an open flame or other ignition source.

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a poison center/doctor if you feel unwell.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

· **National regulations:**

· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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· **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:** Environment protection department.

· **Contact:** RDA Safety Department 731 394 9366

· **Date of preparation / last revision** 05/29/2015 / 7

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Muta. 1B: Germ cell mutagenicity, Hazard Category 1B

Carc. 1B: Carcinogenicity, Hazard Category 1B

Repr. 1B: Reproductive toxicity, Hazard Category 1B

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

· *** Data compared to the previous version altered.**

USA