1: PRODUCT AND COMPANY IDENTIFICATION

Trade name: 951 Flux Pen

Article number: C7-00-951

Application of the substance / the preparation: Soldering flux

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Kester Inc.
800 West Thorndale Avenue
Itasca, IL 60143
Tel (630) 616-4000

ITW Specialty Materials (Suzhou) Co., Ltd.
Heng Qiao Road
Wujiang Economic Development Zone
Suzhou, Jiangsu 215200 China
Tel +86 512 82060808

Information department:
Product Compliance: EHS_Kester@kester.com

1.4 Emergency telephone number:
CHEMTREC 24-Hour Emergency Response  Telephone Number : (800) 424-9300
CHEMTREC 24-Hour Emergency Response (Outside US & Canada)  Telephone Number : (703) 527-3887

2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS02 Flame

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

GHS08 Health hazard

Resp. Sens. 1   H334   May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS07

Acute Tox. 4   H302   Harmful if swallowed.
Acute Tox. 4   H312   Harmful in contact with skin.
STOT SE 3   H335-H336   May cause respiratory irritation. May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labeled according to the CLP regulation.

Hazard pictograms

GHS02   GHS07   GHS08

(Contd. on page 2)
Signal word Danger

Hazard-determining components of labeling:
etanol
isopropanol
Aliphatic ketone
methanol

Hazard statements
Highly flammable liquid and vapor.
Harmful if swallowed or in contact with skin.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Wear protective gloves / eye protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
In case of fire: Use for extinction: CO2, powder or water spray.
Collect spillage. Absorb liquid components with liquid-binding material.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard description:
WHMIS Symbols

Classification system:
NFPA ratings (scale 0 - 4)
Health = 1
Fire = 3
Reactivity = 0

HMIS-ratings (scale 0 - 4)

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

3: COMPOSITION OF MIXTURE

Description: Mixture of the substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Description</th>
<th>% Range</th>
<th>PBT</th>
<th>vPvB</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 64-17-5</td>
<td>ethanol</td>
<td>Flam. Liq. 2; H225</td>
<td>Carc. 1A; H350</td>
<td>55-70%</td>
</tr>
<tr>
<td>EINECS: 200-578-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS: 67-63-0</td>
<td>Isopropanol</td>
<td>Flam. Liq. 2; H225</td>
<td>Eye Irrit. 2A; STOT SE 3, H336</td>
<td>10-25%</td>
</tr>
<tr>
<td>EINECS: 200-661-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Component</td>
<td>CAS/EINECS:</td>
<td>% Concentration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-------------</td>
<td>-----------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aliphatic ketone</td>
<td>CAS: 67-56-1</td>
<td>5-10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EINECS: 200-659-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>methanol</td>
<td>CAS: 108-10-1</td>
<td>&lt;1.0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EINECS: 203-550-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proprietary organic acids</td>
<td>CAS: 7732-18-5</td>
<td>3.0-5.0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EINECS: 231-791-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-methylpentan-2-one</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
This solder product does not contain any Substance of Very High Concern (SVHC) on the European Chemicals Agency (ECHA) candidate list.
This product will be heated to a temperature of 217°C (Celsius) during soldering. All volatile substances will evaporate and not remain on the finished circuit board.

### 4: FIRST AID MEASURES

**4.1 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.
Follow general first aid procedures.

**After inhalation:**
In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
Supply fresh air; consult doctor in case of complaints.

**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:** Seek immediate medical advice.

**4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

### 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media**

**Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

**5.2 Special hazards arising from the substance or mixture**

Nitrogen oxides (NOx)
In case of fire, the following can be released:

**5.3 Advice for firefighters**

**Protective equipment:** Wear self-contained respirator protective device.

### 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources

(Contd. on page 4)
6.2 Environmental precautions: Do not allow to enter sewers/surface or ground water.
6.3 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
Absorb with clay, dry sand, or other inert material. Do not use combustible materials such as sawdust. Place in a chemical waste container.
6.4 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

7.1 Precautions for safe handling
Store in cool, dry place in tightly closed receptacles.
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.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store in a cool location.
Information about storage in one common storage facility: Store away from oxidizing agents.
Further information about storage conditions:
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
7.3 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.

8.1 Control parameters
Components with limit values that require monitoring at the workplace:

### 64-17-5 ethanol

<table>
<thead>
<tr>
<th>Limit Value</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
<td>Long-term value: 1900 mg/m³, 1000 ppm</td>
</tr>
<tr>
<td>REL</td>
<td>Long-term value: 1900 mg/m³, 1000 ppm</td>
</tr>
<tr>
<td>TLV</td>
<td>Short-term value: 1880 mg/m³, 1000 ppm</td>
</tr>
</tbody>
</table>

### 67-63-0 Isopropanol

<table>
<thead>
<tr>
<th>Limit Value</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
<td>Long-term value: 980 mg/m³, 400 ppm</td>
</tr>
<tr>
<td>REL</td>
<td>Short-term value: 1225 mg/m³, 500 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 980 mg/m³, 400 ppm</td>
</tr>
<tr>
<td>TLV</td>
<td>Short-term value: 984 mg/m³, 400 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 492 mg/m³, 200 ppm</td>
</tr>
</tbody>
</table>

### Aliphatic ketone

<table>
<thead>
<tr>
<th>Limit Value</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
<td>Long-term value: 710 mg/m³, 150 ppm</td>
</tr>
<tr>
<td>REL</td>
<td>Short-term value: 950 mg/m³, 200 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 710 mg/m³, 150 ppm</td>
</tr>
</tbody>
</table>
Trade name: 951 Flux Pen

<table>
<thead>
<tr>
<th>TLV</th>
<th>Long-term value: (950) NIC-712 mg/m³, (200) NIC-150 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Long-term value: (713) NIC-238 mg/m³, (150) NIC-50 ppm</td>
</tr>
</tbody>
</table>

**67-56-1 methanol**

<table>
<thead>
<tr>
<th>PEL</th>
<th>Long-term value: 260 mg/m³, 200 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL</td>
<td>Short-term value: 325 mg/m³, 250 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 260 mg/m³, 200 ppm</td>
</tr>
<tr>
<td>Skin</td>
<td></td>
</tr>
<tr>
<td>TLV</td>
<td>Short-term value: 328 mg/m³, 250 ppm</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 262 mg/m³, 200 ppm</td>
</tr>
<tr>
<td>Skin; BEI</td>
<td></td>
</tr>
</tbody>
</table>

**Proprietary organic acids**

<table>
<thead>
<tr>
<th>TLV</th>
<th>Long-term value: 5 mg/m³</th>
</tr>
</thead>
</table>

**Additional information:**

PEL = Permissible Exposure Limit (OSHA)
TLV= Threshold Limit Value (ACGIH)
OSHA= Occupational Safety and Health Administration
ACGIH= American Conference of Governmental Industrial Hygienists

8.2 Exposure controls

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.
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 and skin.

**Breathing equipment:**

Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.

**Protection of hands:**

Protective gloves

**Material of gloves:**

Nitrile rubber, NBR
Natural rubber, NR

**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:**

Safety glasses

Face Shield with Safety Glasses when refilling.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

**General Information**

**Appearance:**

<table>
<thead>
<tr>
<th>Form:</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>Colorless</td>
</tr>
</tbody>
</table>
Trade name: 951 Flux Pen

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Alcohol-like</td>
</tr>
<tr>
<td>pH-value</td>
<td>Not determined</td>
</tr>
<tr>
<td>Change in condition</td>
<td></td>
</tr>
<tr>
<td>Melting point/Melting range</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Boiling point/Boiling range</td>
<td>78 °C (172 °F)</td>
</tr>
<tr>
<td>Flash point</td>
<td>18 °C (64 °F)</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>370 °C (698 °F)</td>
</tr>
<tr>
<td>Auto igniting</td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Product is not explosive. However, formation of explosive air/vapor mixtures are possible.</td>
</tr>
<tr>
<td>Explosion limits</td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>2.0 Vol %</td>
</tr>
<tr>
<td>Upper</td>
<td>15.0 Vol %</td>
</tr>
<tr>
<td>Vapor pressure at 20 °C (68 °F)</td>
<td>59 hPa (44 mm Hg)</td>
</tr>
<tr>
<td>Density at 20 °C (68 °F)</td>
<td>0.81 g/cm³ (6.759 lbs/gal)</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water</td>
<td>Not miscible or difficult to mix.</td>
</tr>
<tr>
<td>Solvent content</td>
<td></td>
</tr>
<tr>
<td>Organic solvents</td>
<td>93.1 %</td>
</tr>
<tr>
<td>Water</td>
<td>4.9 %</td>
</tr>
<tr>
<td>Solids content</td>
<td>2.0 %</td>
</tr>
</tbody>
</table>

**10: STABILITY AND REACTIVITY**

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability:

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Strong acids, strong oxidizers.

10.6 Hazardous decomposition products:
When heated to soldering temperatures, solvents will be evaporated and organic material may release aliphatic aldehydes and acids.

**11: TOXICOLOGICAL INFORMATION**

11.1 Information on toxicological effects

**Acute toxicity:**
Harmful if swallowed or in contact with skin.

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

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50 5628 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50 15800 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

**Primary irritant effect:**

**on the skin:** Based on available data, the classification criteria are not met.

**on the eye:** Based on available data, the classification criteria are not met.
Trade name: 951 Flux Pen

(Contd. of page 6)

through inhalation:
Vapors during use may irritate mucous membranes and respiratory system. High concentrations can cause headache, dizziness, and nausea.

through ingestion: May cause gastrointestinal irritation.

Sensitization:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Additional toxicological information:

Carcinogenic categories

IARC (International Agency for Research on Cancer)

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5 ethanol</td>
<td>1</td>
</tr>
<tr>
<td>67-63-0 isopropanol</td>
<td>3</td>
</tr>
<tr>
<td>108-10-1 4-methylpentan-2-one</td>
<td>2B</td>
</tr>
</tbody>
</table>

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

12.1 Toxicity
Aquatic toxicity: No further relevant information available.

Additional ecological information:

General notes:
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Recommendation:
Disposal must be made according to official regulations. 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

14.1 UN-Number
DOT, ADR, IMDG, IATA
UN1987

14.2 UN proper shipping name
DOT, IATA
Alcohols, n.o.s. (Ethanol, Isopropanol)

ADR
1987 Alcohols, n.o.s. (Ethanol, Isopropanol)

IMDG
ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), ISOPROPANOL (ISOPROPYL ALCOHOL))

(Contd. on page 8)
SAFETY DATA SHEET (SDS)
According to 1907/2006/EC, Article 31
Version number 7
Reviewed on 11/17/2015

Trade name: 951 Flux Pen

14.3 Transport hazard class(es)

DOT

Class

3 Flammable liquids

Label

Not regulated.

ADR, IMDG, IATA

Class

3 Flammable liquids

Label

3

14.4 Packing group

DOT, IMDG, IATA

II

Marine pollutant:

No

14.6 Special precautions for user

Not applicable.

Stowage Category

B

14.7 Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code

Not applicable.

Transport/Additional information:

DOT

Remarks:

951 Flux Pens Excepted Quantity Packaging: Maximum of 80 flux pens or 4 cartons on 20 each can be shipped per box.

ADR

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

Remarks:

951 Flux Pens Excepted Quantity Packaging: Maximum of 80 flux pens or 4 cartons on 20 each can be shipped per box.

IMDG

Limited quantities (LQ)

1L

Excepted quantities (EQ)

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation":

UN 1987 ALCOHOLS, N.O.S. (ETHANOL, ISOPROPANOL), 3, II

15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

China: Inventory of Existing Chemical Substances in China (IECSC)

Korea: Korea Existing Chemicals List (ECL)

Europe: European Inventory of Existing Commercial Chemical Substances (EINECS)

Japan: Inventory of Existing and New Chemical Substances (ENCS)

Philippines: Philippine Inventory of Chemicals and Chemical Substances (PICCS)

USA: TSCA (Toxic Substances Control Act) TSCA Inventory of Chemical Substances

(Contd. on page 9)
USA The following information relates to product regulation specific to the USA.

SARA (Superfund Amendments and Reauthorization Act)

| Section 355 (extremely hazardous substances): |
| None of the ingredient is listed. |

| Section 313 (Specific toxic chemical listings): |
| 67-56-1 methanol |
| 108-10-1 4-methylpentan-2-one |

TSCA (Toxic Substances Control Act): Kester certifies that all components listed below for the subject finished product are on the TSCA Inventory of Chemical Substances and are not subject to any chemical specific regulation under TSCA Section 12(b) export notification requirements delineated at 40 CFR part 707, subpart D.

All ingredients are listed or exempt from listing.

California Proposition 65

Chemicals known to cause cancer:
4-methylpentan-2-one

Chemicals known to cause reproductive toxicity:
None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)
108-10-1 4-methylpentan-2-one

NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

CANADA:

Workplace Hazardous Materials Identification (WHMIS):
This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation (CPR) and the Safety Data Sheet (SDS) contains all of the information required by the CPR.

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labeled according to the CLP regulation.

Hazard pictograms

GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labeling:
- ethanol
- isopropanol
- Aliphatic ketone
- methanol

Hazard statements
- Highly flammable liquid and vapor.
- Harmful if swallowed or in contact with skin.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Wear protective gloves / eye protection.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
SAFETY DATA SHEET (SDS)
According to 1907/2006/EC, Article 31

Trade name: 951 Flux Pen

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
In case of fire: Use for extinction: CO2, powder or water spray. Collect spillage. Absorb liquid components with liquid-binding material.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16: OTHER INFORMATION

The information contained herein is based on data considered accurate and is offered solely for information, consideration and investigation. Kester extends no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any purchaser’s use. The data on this Material Safety Data Sheet relates only to this product and does not relate to use with any other material or in any process. All chemical products should be used only by, or under the direction of, technically qualified personnel who are aware of the hazards involved and the necessity for reasonable care in handling. Hazard communication regulations require that employees must be trained on how to use a Material Safety Data Sheet as a source for hazard information.

Department issuing Safety Data Sheet (SDS): Product Compliance / EHS Department
Contact: EHS_Kester@kester.com
Date of preparation / last revision 11/17/2015 / 6

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
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Acute Tox. 2: Acute toxicity, Hazard Category 2
Acute Tox. 3: Acute toxicity, Hazard Category 3
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1
Carc. 1A: Carcinogenicity, Hazard Category 1A
Carc. 2: Carcinogenicity, Hazard Category 2
STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

* Data compared to the previous version altered.