SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Trade name: SE-CURE 9650D
1.2 Relevant identified uses of the substance or mixture and uses advised against
   No further relevant information available.

1.3 Details of the supplier of the safety data sheet
   Manufacturer/Supplier:
   Kester Inc.
   800 West Thorndale Avenue
   Itasca, IL 60143
   Tel 00+1 + 630 616 4000

   ITW Specialty Materials (Suzhou) Co., Ltd.
   Hengqiao Road, Wujiang Economic Development Zone
   Suzhou, Jiangsu Province, China 215200
   Tel +86 512 82060807

   Kester GmbH
   Ganghofer Strasse 45
   D-82216 Gernlinden Germany
   Tel +49 (0) 8142 4785 0

   Further information obtainable from: 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

SECTION 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 vapour.

   GHS07
   Eye Irrit. 2  H319  Causes serious eye irritation.
   STOT SE 3  H336  May cause drowsiness or dizziness.

2.2 Label elements
   Labelling according to Regulation (EC) No 1272/2008
   The product is classified and labelled according to the CLP regulation.
   Hazard pictograms

   GHS02  GHS07

   Signal word Danger

   Hazard-determining components of labelling:
   Isopropanol

(Continued on page 2)
Trade name: SE-CURE 9650D

Hazard statements
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

SECTION 3: Composition/information on ingredients
Description: Mixture of substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Chemical components</th>
<th>CAS: 67-63-0</th>
<th>Isopropanol</th>
<th>Flam. Liq. 2, H225</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EINECS: 200-661-7</td>
<td>Eye Irrit. 2, H319; STOT SE 3, H336</td>
<td>85-100%</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Glycol Ether</td>
<td>Skin Irrit. 2, H315; Eye Irrit. 2, H319</td>
<td>5-10%</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Organic acid</td>
<td>Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335</td>
<td>1-3%</td>
</tr>
</tbody>
</table>

SVHC
This product does not contain any Substance of Very High Concern (SVHC) on the European Chemicals Agency (ECHA) candidate list.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information: Follow general first aid procedures.
After inhalation: 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.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents: CO2, 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 In case of fire, the following can be released:

(Continued on page 3)
5.3 Advice for firefighters
Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Prevent formation of aerosols.
Information about fire - and explosion protection:
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: Not required.
Further information about storage conditions:
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:
CAS: 67-63-0 Isopropanol

<table>
<thead>
<tr>
<th></th>
<th>Short-term limit</th>
<th>Long-term limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
<td>1225 mg/m³, 500 ppm</td>
<td>980 mg/m³, 400 ppm</td>
</tr>
<tr>
<td>TWA</td>
<td>1250 mg/m³, 500 ppm</td>
<td>980 mg/m³, 400 ppm</td>
</tr>
<tr>
<td>WEL</td>
<td>1250 mg/m³, 500 ppm</td>
<td>999 mg/m³, 400 ppm</td>
</tr>
</tbody>
</table>

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.

(Continued on page 4)
Trade name: SE-CURE 9650D

Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

**Respiratory protection:**
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 with Side Shields Required

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**SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

**General Information**

**Appearance:**
- **Form:** Liquid
- **Colour:** Colourless
- **Odour:** Alcohol-like

**pH-value:** Not determined.

**Change in condition**
- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** 82 °C

**Flash point:** 12 °C

**Ignition temperature:** 399 °C

**Auto-ignition temperature:** Product is not selfigniting.

**Explosive properties:**
Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

**Explosion limits:**
- **Lower:** 2 Vol %
- **Upper:** 12 Vol %

**Vapour pressure at 20 °C:** 43 hPa

**Density at 20 °C:** 0.79 g/cm³
SECTION 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: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
   Acute toxicity: Based on available data, the classification criteria are not met.

   LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>CAS: 67-63-0 Isopropanol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
</tr>
<tr>
<td>Dermal LD50</td>
</tr>
<tr>
<td>Inhalative LC50/4 h</td>
</tr>
</tbody>
</table>

   Primary irritant effect:
   Skin corrosion/irritation: Based on available data, the classification criteria are not met.
   Serious eye damage/irritation: Causes serious eye irritation.
   Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
   CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
   Germ cell mutagenicity: Based on available data, the classification criteria are not met.
   Carcinogenicity: Based on available data, the classification criteria are not met.
   Reproductive toxicity: Based on available data, the classification criteria are not met.
   STOT-single exposure:
   May cause drowsiness or dizziness.
   STOT-repeated exposure: Based on available data, the classification criteria are not met.
   Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 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.
SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number
IMDG, IATA UN1219

14.2 UN proper shipping name
ADR 1219 ISOPROPNOL (ISOPROPYL ALCOHOL) mixture
IMDG, IATA ISOPROPNOL (ISOPROPYL ALCOHOL) mixture

14.3 Transport hazard class(es)
ADR, IMDG, IATA

Class 3 Flammable liquids.

Label 3

14.4 Packing group
ADR, IMDG, IATA II

14.5 Environmental hazards:
Not applicable.

14.6 Special precautions for user
Not applicable.

Danger code (Kemler):
33

EMS Number:
F-E,S-D

Stowage Category B

14.7 Transport in bulk according to Annex II of Marpol
and the IBC Code Not applicable.

Transport/Additional information:

ADR
Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Transport category 2
Tunnel restriction code D/E

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 1219 ISOPROPNOL (ISOPROPYL ALCOHOL) MIXTURE, 3, II
SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
All ingredients are listed on the following Government Inventories:
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

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

Hazard pictograms

GHS02 GHS07

Signal word Danger

Hazard-determining components of labelling:
Isopropanol

Hazard statements
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category P5c FLAMMABLE LIQUIDS
Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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 Safety Data Sheet (SDS) 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 Safety Data Sheet (SDS) as a source for hazard information.

**Department issuing SDS:** Product Compliance / EHS Department  
**Contact:** EHS_Kester@kester.com

**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
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
* Data compared to the previous version altered.