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

1.1 Trade name: NP560
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

![GHS08 health hazard]
Resp. Sens. 1 H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled.

![GHS07]
Skin Irrit. 2 H315  Causes skin irritation.
Eye Irrit. 2 H319  Causes serious eye irritation.
Skin Sens. 1 H317  May cause an allergic skin reaction.

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

![GHS08]
Signal word Danger

(Continued on page 2)
Hazard-determining components of labelling:
Modified Rosin
Ethoxylated Amines

Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.

Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
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.
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.

Chemical components:

<table>
<thead>
<tr>
<th>CAS: 9003-13-8</th>
<th>Tripropylene Glycol n-Butyl Ether</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>☑ Skin Irrit. 2, H315</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Modified Rosin</td>
</tr>
<tr>
<td></td>
<td>☑ Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

| CAS: 7440-22-4 | SILVER (Ag) substance with a Community workplace exposure limit |
| EINECS: 231-131-3 |                                                   | 1-3% |

<table>
<thead>
<tr>
<th>Trade Secret</th>
<th>Proprietary Acid</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>☑ Eye Irrit. 2, H319</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trade Secret</th>
<th>Ethoxylated Amines</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>☑ Resp. Sens. 1, H334</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.
After swallowing: Seek immediate medical advice.

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

(Continued on page 3)
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.
5.2 Special hazards arising from the substance or mixture In case of fire, the following can be released:
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 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: Dispose contaminated material as waste according to item 13.
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 dust.
Information about fire - and explosion protection: No special measures required.
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: None.
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: 7440-22-4 SILVER (Ag)
WEL Long-term value: 0.1 mg/m³

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.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.

(Continued on page 4)
Respiratory protection:
Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information
Appearance:
Form: Pasty
Colour: Silver grey
Odour: Mild

pH-value: Not applicable.

Change in condition
Melting point/freezing point: Undetermined.

Flash point: Not Applicable

Flammability (solid, gas): Not determined.
Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Vapour pressure: Not applicable.
Density: Not determined.
Vapour density Not applicable.

Solubility in / Miscibility with water: Insoluble

Solvent content:

Solids content: 94.0 %
SAFETY DATA SHEET (SDS)  
according to 1907/2006/EC, Article 31

Printing Date: 26.01.2018  
Version number 3  
Revision: 26.01.2018

Trade name: NP560

(Continued from page 4)

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:

Modified Rosin  
Oral  \( \text{LD}_{50} > 4,000 \text{ mg/kg (Rat)} \)
Dermal  \( \text{LD}_{50} > 2,500 \text{ mg/kg (rabbit)} \)

Primary irritant effect:  
Skin corrosion/irritation  
Causes skin irritation.
Serious eye damage/irritation  
Causes serious eye irritation.
Respiratory or skin sensitisation  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
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  Based on available data, the classification criteria are not met.
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.
vPvB: 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.  
(Continued on page 6)
SECTION 14: Transport information

14.1 UN-Number
IMDG, IATA  Void
14.2 UN proper shipping name
ADR, ADN, IMDG, IATA  Void
14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA  Void
Class
14.4 Packing group
ADR, IMDG, IATA  Void
14.5 Environmental hazards:
Not applicable.
14.6 Special precautions for user
Not applicable.
14.7 Transport in bulk according to Annex II of Marpol
Not applicable.
and the IBC Code
UN "Model Regulation":  Void

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

GHS08

Signal word  Danger

Hazard-determining components of labelling:
Modified Rosin
Ethoxylated Amines

Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.

Precautionary statements
P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
Trade name: NP560

(Continued from page 6)

P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
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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.
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.
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
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
* Data compared to the previous version altered.