

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.04.2015

Version number 2

Revision: 01.04.2015

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

1.1 Product identifier

Trade name: Nickeltest, Lösung I

Article number: 8NITE-ST

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

Application of the substance / the mixture Reagent fluids for the detection of nickel release on metals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Sussmann & Steinhauser GmbH

Glasschleiferstr. 14

D - 87600 Kaufbeuren

Telefon +49 (0) 8341 / 62087

Telefax +49 (0) 8341 / 65475

email: info@hasulith.de

Further information obtainable from:

Product safety department

Competent staff person for Material Safety Data Sheet

Herbert Steinhauser

info@hasulith.de

1.4 Emergency telephone number: Giftnotruf München: Telefon +49 (0) 89 19240

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.

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

Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P403+P235 Store in a well-ventilated place. Keep cool.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 64-17-5	ethanol	 Flam. Liq. 2, H225	50-100%
EINECS: 200-578-6			
Index number: 603-002-00-5			

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:**

Generally the product does not irritate the skin.

Clean with water and soap. If possible, also wash with polyethylene glycol 400.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.**After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

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.**5.2 Special hazards arising from the substance or mixture** Can form explosive gas-air mixtures.**5.3 Advice for firefighters****Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Dilute with plenty of water.

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

6.3 Methods and material for containment and cleaning up:

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

Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles.

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.

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SECTION 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.

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:

Do not store with foodstuffs and animal feed.

Store away from flammable substances.

Substances to avoid: Organic peroxide

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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:

64-17-5 ethanol

WEL (Great Britain)	Long-term value: 1920 mg/m ³ , 1000 ppm
EL (Canada)	Short-term value: 1000 ppm
EV (Canada)	Long-term value: 1.900 mg/m ³ , 1.000 ppm
PEL (USA)	Long-term value: 1900 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV (USA)	Short-term value: 1880 mg/m ³ , 1000 ppm

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures: Wash hands before breaks and at the end of work.

Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:



Protective gloves

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.

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.

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For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Eye protection:

Tightly sealed goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Alcohol-like
Odour threshold:	Not determined.

pH-value: Not determined.

Change in condition

Melting point/Melting range:	-114.5 °C
Boiling point/Boiling range:	78 °C (DIN 53171)

Flash point: 13 °C (DIN 53755)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 425 °C

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower:	3.5 Vol %
Upper:	15.0 Vol %

Vapour pressure at 20 °C: 57 hPa

Density at 20 °C: 0.79 g/cm³

Relative density Not determined.

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with water:

Fully miscible.

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

Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

9.2 Other information No further relevant information available.

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SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

To avoid thermal decomposition do not overheat.

10.3 Possibility of hazardous reactions Forms explosive gas mixture with air.

10.4 Conditions to avoid

Extreme temperatures and direct sunlight.

Keep ignition sources away - Do not smoke.

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:

LD/LC50 values relevant for classification:

64-17-5 Ethanol

Oral LD50

7060 mg/kg (rats)

6300 mg/kg (rabbits)

5560 mg/kg (guinea pigs)

Inhalation LC50/10h

20,000 ppm (rats)

Primary irritant effect:

on the skin:

Long-term skin contact may cause skin irritation.

Prolonged or repeated skin contact may cause degreasing and dermatitis.

on the eye: Possible irritation effect

Sensitisation: No sensitising effects known.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

The product itself was not tested. The toxicological data refers to the ingredients.

64-17-5 Ethanol

Fish (golden ide) - LC50 - 8,140 mg/l

Crabs (copepods) - LC50 - 7,750 mg/l

Bacteria (pseudomonas) - limiting concentration 6,500 mg/l

Activated sludge - damage from 15g/l

12.2 Persistence and degradability

Fast photochemical oxidation in air

The solvent is biodegradable.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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.

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Trade name: Nickeltest, Lösung I**12.6 Other adverse effects** No further relevant information available.

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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.**European waste catalogue**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste Codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number**ADR, IMDG, IATA** UN1170**14.2 UN proper shipping name**

ADR 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
IMDG ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
IATA ETHANOL SOLUTION

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:****Marine pollutant:** No**14.6 Special precautions for user** Not applicable.

Warning: Flammable liquids.

Danger code (Kemler): 33**EMS Number:** F-E,S-D**Transport/Additional information:****ADR****Limited quantities (LQ)** 1L**Transport category** 2**Tunnel restriction code** D/E**UN "Model Regulation":** UN1170, ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

SECTION 15: Regulatory information

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

No further relevant information available.

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

SECTION 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.

SDB 10064/59

Relevant phrases

H225 Highly flammable liquid and vapour.

Contact:

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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

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

Flam. Liq. 2: Flammable liquids, Hazard Category 2

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

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