



SAFETY DATA SHEET

1. Chemical Product and Company Identification

Description: Lab Solution 3M KCl
Product Code: Signet Part Number 3800-5000
Product Type:
Application: Laboratory chemicals

Manufacturer/Supplier Information

Manufactured for and SDS prepared by:
Georg Fischer Signet LLC
3401 Aero Jet Ave.
El Monte, California 91731

Date Prepared: 06/28/2020

For additional health, safety or regulatory information, call (626) 571-2770

**For Chemical Emergency
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night**

DOMESTIC NORTH AMERICA 800-424-9300

INTERNATIONAL, REFER TO THE INFORMATION CONTAINED HEREIN AND CALL YOUR LOCAL GF OFFICE

2. Hazards Identification

GHS Classification: This product is not classified according to the Globally Harmonized System
GHS Label Elements:

Classification According to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable

Information Concerning Particular Hazards for Human and Environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification System: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

Label Elements

Labelling According to EU Guidelines:

Observe the general safety regulations when handling chemicals. This product is not subject to identification regulations according to directives on hazardous materials.

Safety Phrases: 29 Do not empty into drains.

Classification System



NFPA Ratings (Scale 0 - 4)

Health = 0
Fire = 0
Reactivity = 0

HMIS Ratings (Scale 0 - 4)

HEALTH	0
FIRE	0
REACTIVITY	0

Health = 0
Fire = 0
Reactivity = 0

Other Hazards: The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

Results of PBT and vPvB Assessment

PBT: Not applicable

3. Composition/Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions.

Dangerous Components: Void

Potassium Chloride

CAS Number: 7447-40-7

% w/v: 20-25

Water, distilled or of similar purity

CAS Number: 7732-18-5

% w/v: 80-100

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

4. First Aid Measures

General Information: No special measures required.

Inhalation: Supply fresh air, consult doctor in case of complaints.

Skin Contact: Generally the product does not irritate the skin.

Eye Contact: Rinse opened eye for several minutes under running water.

Ingestion: If symptoms persist consult a doctor.

Most Important Symptoms and Effects,

(both acute and delayed): No further relevant information available.

Indication of Any Immediate Medical

Attention and Special Treatment Needed: No further relevant information available.

5. Fire Fighting Measures

Suitable Extinguishing Agents: CO₂, extinguishing powder or water spray.

Fight larger fires with water spray or alcohol resistant foam.

Unsuitable Extinguishing Media: No further relevant information available.

Special Hazards Arising from the Substance or Mixture: No further relevant information available.

Protective Equipment and Precautions for Firefighters: No special measures required.

6. Accidental Release Measures

- Personal Precautions:** Not required.
- Environmental Precautions:** Do not allow product to reach sewage system or any water course. 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 Clean Up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Reference to Other Sections:** No dangerous substances are released. 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:** No special measures required.
- Information about Protection against Explosions and Fires:** No special measures required.
- Requirements to be met by Storerooms and Receptacles:** No special measures required.
- Information about Storage in One Common Storage Facility:** Not required
- Further Information about Storage Conditions:** None
- Specific End Use(s):** Laboratory Chemical

8. Exposure Controls/Personnel 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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal Protective Equipment

- Hygiene Measures:** The usual precautionary measures for handling chemicals should be followed.
- Respiratory Protection:** Not required.
- Eye/Face Protection:** Goggles recommended during refilling.
- Hand Protection:** No chemical-protective gloves required.

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 cannot 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.

9. Physical and Chemical Properties

Appearance:

Form: Fluid

Color: Colorless

Odor: Odorless

Odor Threshold: Not determined

pH-value at 20 °C: 6

Melting Point/Melting Range: Undetermined

Boiling Point/Boiling Range: Undetermined

Flash Point: Not applicable

Flammability (solid, gaseous): Not applicable

Decomposition Temperature: Not determined

Auto Igniting: Product is not self-igniting

Danger of Explosion: Product does not present an explosion hazard

Explosion Limits

Lower: Not determined

Upper: Not determined

Vapor Pressure at 20 °C: 23 hPa

Density: 1.1 g/cm³

Relative Density: Not determined

Vapor Density: Not determined

Evaporation Rate: Not determined

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: 0.0%

Water: 77.6%

Other Information: No further relevant information available.

10. Stability and Reactivity

Thermal Decomposition: 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.

11. Toxicological Information

Acute Toxicity:

LD/LC50 values that are relevant for classification:

7447-40-7 Potassium Chloride

Oral LD50 2600 mg/kg (rat)

Primary Irritant Effect:

On Skin: No irritating effect.

On Eyes: No irritating effect.

Sensitization: No sensitizing effects known.

Additional Toxicological Information: The product is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

12. Ecological Information

Aquatic Toxicity: No further relevant information available.

Persistence and Degradability: No further relevant information available.

Bioaccumulation Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.

General Notes: Water hazard class 1 (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.

Results of PBT and vPvB Assessment:

PBT: Not applicable

vPvB: Not applicable

Other adverse effects: No further relevant information available

13. Disposal Considerations

Waste Treatment Methods: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of in accordance with international, federal, state and local regulations.

14. Transportation Information

UN-Number:

DOT, ADR, ADN, IMDG, IATA: Void

UN Proper Shipping Name:

DOT, ADR, ADN, IMDG, IATA: Void

Transport Hazard Classes:

DOT, ADR, ADN, IMDG, IATA
Class: Void

Packing Group:
DOT, ADR, IMDG, IATA: Void

Environmental Hazards:
Marine Pollutant: No

Special Precautions for User: Not applicable

Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code: Not applicable

Transport/Additional Information: Not dangerous according to the above specifications.

15. Regulatory Information

S.A.R.A. Section 355 (Extremely Hazardous Substances): None of the ingredients is listed.

S.A.R.A. Section 313 (Specific Toxic Chemical Listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

California Proposition 65:

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity Categories:

EPA (Environmental Protection Agency):	None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH):	None of the ingredients is listed.
MAK (German Maximum Workplace Concentration):	None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety and Health):	None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration):	None of the ingredients is listed.

Product Related Hazard Information:

Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations according to directives on hazardous materials.

Safety Phrases: 29 Do not empty into drains.

National Regulations:

Water Hazard Class: Water Hazard Class 1 (Self-assessment): Slightly hazardous for water.

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16. Other Information

It is the responsibility of the Distributor, Dealer, or Agent to provide a current copy of the SDS to the Consumers of Georg Fischer Signet LLC products. The information contained herein is presented in good faith and has been compiled from sources believed to be reliable. It represents the best information currently available to us. No warranty expressed or implied, or merchantability, fitness or otherwise is made and we assume no liability resulting from its use.

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Department issuing MSDS: PCC – TWSC

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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINCECS: 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Revision

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Responsibility for SDS: K.M. Frazier

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