

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/18/2019

Reviewed on 09/18/2019

1 Identification

- **Product identifier**

- Trade name: KYZEN E5631J
- Application of the substance / the mixture: Cleaning agent/ Cleaner

- **Details of the supplier of the safety data sheet**

- Manufacturer/Supplier:
KYZEN
430 Harding Industrial Drive
NASHVILLE, TN 37211 USA
P: 1-800-845-5524
www.KYZEN.com

- Information department:

Safety Data Sheet Coordinator

<https://www.kyzen.com/cleaning-chemistries-products-services/kyzen-safety-data-sheet/>

- Emergency telephone number:

CHEMTREC

Within the USA and Canada: 1-800 424-9300

Outside the USA and International: +1-703-527-3887

2 Hazard(s) identification

- **Classification of the substance or mixture**

The product is not classified as hazardous according to the Globally Harmonized System (GHS).

- **Label elements**

- GHS label elements None
- Hazard pictograms None
- Signal word None
- Hazard statements None

- **Classification system:**

- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)



(Contd. on page 2)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/18/2019

Reviewed on 09/18/2019

Trade name: KYZEN E5631J

(Contd. of page 1)

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

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- Description: Mixture of the substances listed below with nonhazardous additions.

- Dangerous components:

29911-27-1	1-(1-Methyl-2-propoxyethoxy)propan-2-ol	2.5-10%
34590-94-8	Dipropylene glycol monomethyl ether	≤2.5%
100-51-6	alpha-Hydroxytoluene	≤2.5%
111109-77-4	Dipropylene glycol dimethyl ether	≤2.5%

4 First-aid measures

- **Description of first aid measures**
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for 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

- **Extinguishing media**
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- Protective equipment: No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Prevent from spreading (e.g. by damming-in or oil barriers).
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.

US
(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/18/2019

Reviewed on 09/18/2019

Trade name: KYZEN E5631J

(Contd. of page 2)

7 Handling and storage

- **Handling:**
 - Precautions for safe handling No special measures required.
 - Information about protection against explosions and fires: No special measures required.
- **Conditions for safe storage, including any incompatibilities**
 - Storage:
 - Requirements to be met by storerooms and receptacles: No special requirements.
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions: None.
 - **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.
- **Control parameters**
 - Components with limit values that require monitoring at the workplace:
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

34590-94-8 Dipropylene glycol monomethyl ether

PEL	Long-term value: 600 mg/m ³ , 100 ppm Skin
REL	Short-term value: 900 mg/m ³ , 150 ppm Long-term value: 600 mg/m ³ , 100 ppm Skin
TLV	Short-term value: 909 mg/m ³ , 150 ppm Long-term value: 606 mg/m ³ , 100 ppm Skin

100-51-6 alpha-Hydroxytoluene

WEEL	Long-term value: 10 ppm
------	-------------------------

- Regulatory information
 - PEL: Guide to Occupational Exposure Values (OSHA PELs)
 - REL: Guide to Occupational Exposure Values (NIOSH RELs)
 - TLV: Guide to Occupational Exposure Values (ACGIH)
 - WEEL: Guide to Occupational Exposure Values (AIHA WEELS)
- Additional information: The lists that were valid during the creation were used as basis.
- **Exposure controls**
 - Personal protective equipment:
 - General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
 - Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation.
 - Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
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

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/18/2019

Reviewed on 09/18/2019

Trade name: KYZEN E5631J

(Contd. of page 3)

- 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.
- Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	Cloudy
Odor:	Mild
Odor threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)

Density at 20 °C (68 °F): 0.994 g/cm³ (8.295 lbs/gal)

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.

Other information No further relevant information available.

10 Stability and reactivity

- Reactivity** No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions** No dangerous reactions known.

(Contd. on page 5)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/18/2019

Reviewed on 09/18/2019

Trade name: KYZEN E5631J

(Contd. of page 4)

- **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

• Information on toxicological effects

- Acute toxicity:
- Primary irritant effect:
 - on the skin: No irritant effect.
 - on the eye: 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.

- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

• Toxicity

- Aquatic toxicity: No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
 - Bioaccumulative potential No further relevant information available.
 - Mobility in soil No further relevant information available.
- **Additional ecological information:**
 - General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water
- **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

- Recommendation:
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

(Contd. on page 6)

—US—

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/18/2019

Reviewed on 09/18/2019

Trade name: KYZEN E5631J

(Contd. of page 5)

- **Uncleaned packagings:**
- Recommendation: Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| • UN-Number | Not Regulated |
| • DOT, ADR, IMDG, IATA | |
| • UN proper shipping name | Not Regulated |
| • DOT, ADR, IMDG, IATA | |
| • Transport hazard class(es) | |
| • DOT, ADR, ADN, IMDG, IATA | |
| • Class | Not Regulated |
| • Packing group | Not Regulated |
| • DOT, ADR, IMDG, IATA | |
| • Environmental hazards: | Not applicable. |
| • Special precautions for user | Not applicable. |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| • UN "Model Regulation": | Not Regulated |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Sara

• Section 355 (extremely hazardous substances):

None of the ingredients is listed.

• Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

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

• Hazardous Air Pollutants

None of the ingredients is listed.

• 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.

(Contd. on page 7)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/18/2019

Reviewed on 09/18/2019

Trade name: KYZEN E5631J

(Contd. of page 6)

- Carcinogenic categories

- EPA (Environmental Protection Agency)

None of the ingredients is listed.

- TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

- NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

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

16 Other information

The information contained in this Safety Data Sheet is based on available data from reliable sources and is accurate to the best of KYZEN Corporation's knowledge at the time of this publication. KYZEN makes no warranty, expressed or implied, of merchantability or fitness for a particular purpose, course of performance or usage of trade. The user is solely responsible for determining the suitability and completeness of such information for their particular application and for adopting appropriate safety precautions. Physical properties listed within are typical values based on samples tested and should not be construed as guaranteed analysis of any specific lot or as specifications for the product. KYZEN does not intend this information to be all-inclusive as to the manner and conditions of use, handling, storage and disposal. Other factors may involve additional legal, environmental, safety or performance considerations, and KYZEN assumes no liability whatsoever for the use of, or reliance upon, this information. | www.kyzen.com/terms

Copyright © 2017 KYZEN Corporation | All Rights Reserved | DO NOT DISTRIBUTE

- **Department issuing SDS:** Product safety department

- **Contact:** SDS Coordinator

- **Date of preparation / last revision** 09/18/2019 / -

- **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

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit