

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/23/2015

Reviewed on 02/27/2014

1 Identification

- **Product identifier**
- **Trade name:** Compliant
- **Article number:** 9250 PK
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Power Kleen Corporation
101 South Bayview Blvd.
OLDSMAR, FL 34677
USA
- **Information department:** Product Safety Department
- **Emergency telephone number:** ChemTel Inc. (800) 255-3924 Intl. +01 (813) 248-0585



2 Hazard(s) identification

- **Classification of the substance or mixture**



Acute Tox. 4 H302 Harmful if swallowed.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard-determining components of labeling:**
Mineral Acid Salt of Organic Amide
- **Hazard statements**
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
- **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P280	Wear protective gloves.
P280	Wear eye protection / face protection.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P301+P312	If swallowed: Call a poison center/doctor if you feel unwell.

(Contd. on page 2)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/23/2015

Reviewed on 02/27/2014

Trade name: **Compliant**

(Contd. of page 1)

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 0

Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Substances**

- **CAS No. Description**

506-89-8 Urea Monohydrochloride

- **Identification number(s)**

- **EC number:** 208-059-6

- **Chemical characterization: Mixtures**

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

- **Dangerous components:**

Mineral Acid Salt of Organic Amide

25-50%

4 First-aid measures

- **Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Remove contact lenses if able to do so.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

Immediately call a doctor.

- **Most important symptoms and effects, both acute and delayed**

Corrosive and extremely irritating to all tissues.

Gastric or intestinal disorders

Cramp

Breathing difficulty

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/23/2015

Reviewed on 02/27/2014

Trade name: Compliant

(Contd. of page 2)

Thirst

Dizziness

· **Danger** Danger of gastric perforation.

· **Indication of any immediate medical attention and special treatment needed**

In cases of irritation to the lungs, initial treatment with Dexamethason metered aerosol.

Medical supervision for at least 48 hours.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture** Hydrogen chloride (HCl)

· **Advice for firefighters**

· **Protective equipment:**

Wear fully protective suit.

Wear self-contained respiratory protective device.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

Use respiratory protective device against the effects of fumes/dust/aerosol.

· **Environmental precautions:**

Dilute with plenty of water.

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

· **Methods and material for containment and cleaning up:**

Clean the affected area carefully; suitable cleaners are:

Warm water

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

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **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.

7 Handling and storage

· **Precautions for safe handling**

Avoid splashes or spray in enclosed areas.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **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:** Unsuitable material for receptacle: aluminium.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizing agents.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/23/2015

Reviewed on 02/27/2014

Trade name: **Compliant**

(Contd. of page 3)

- **Further information about storage conditions:**
Store receptacle in a well ventilated area.
Keep receptacle tightly sealed.
- **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 product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
Nitrile rubber, NBR
Neoprene gloves
Butyl rubber, BR

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.
- **Not suitable are gloves made of the following materials:**
Strong gloves
Leather gloves
- **Eye protection:**



Tightly sealed goggles

(Contd. on page 5)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/23/2015

Reviewed on 02/27/2014

Trade name: *Compliant*

(Contd. of page 4)

· **Body protection:** *Protective work clothing*

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

Form:	<i>Fluid</i>
Color:	<i>Yellow</i>
Odor:	<i>Characteristic</i>
Odour threshold:	<i>Not determined.</i>

· **pH-value at 20 °C (68 °F):** *< 1*· **Change in condition**

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

· **Flash point:** *Not applicable.*· **Flammability (solid, gaseous):** *Not applicable.*· **Ignition temperature:****Decomposition temperature:** *Not determined.*· **Auto igniting:** *Product is not selfigniting.*· **Danger of explosion:** *Product does not present an explosion hazard.*· **Explosion limits:**

Lower:	<i>Not determined.</i>
Upper:	<i>Not determined.</i>

· **Vapor pressure:** *Not determined.*· **Density at 20 °C (68 °F):** *1.205 g/cm³ (10.056 lbs/gal)*· **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:	<i>Not determined.</i>
Kinematic:	<i>Not determined.</i>

· **Solvent content:**

Organic solvents:	<i>0.1 %</i>
Water:	<i>70.5 %</i>
VOC content:	<i>0.1 %</i>
	<i>1.6 g/l / 0.01 lb/gl</i>

Solids content: *26.5 %*· **Other information** *No further relevant information available.*

USA

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/23/2015

Reviewed on 02/27/2014

Trade name: Compliant

(Contd. of page 5)

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
 - Reacts with aluminium at raised temperatures.
 - Reacts with metals forming hydrogen.
 - Reacts with strong oxidizing agents.
 - Reacts with strong alkali.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
 - Carbon monoxide and carbon dioxide
 - Nitrogen oxides
 - Hydrogen chloride (HCl)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** Irritant to skin and mucous membranes.
 - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
 - The product shows the following dangers according to internally approved calculation methods for preparations:
 - Harmful
 - Irritant
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

67-63-0	propan-2-ol	3
111-76-2	2-butoxyethanol	3

- **NTP (National Toxicology Program)**

no ingredient above de minimis level 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.
- **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

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/23/2015

Reviewed on 02/27/2014

Trade name: Compliant

(Contd. of page 6)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

- **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:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

<ul style="list-style-type: none"> · UN-Number · DOT · IMDG, IATA 	<p style="margin-left: 20px;">Not regulated UN3265</p>
<ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG, IATA 	<p style="margin-left: 20px;">Not regulated CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Mineral Acid Salt of Organic Amide)</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	<p style="margin-left: 20px;">Not applicable</p>
<ul style="list-style-type: none"> · Label 	<p style="margin-left: 20px;">8</p>
<ul style="list-style-type: none"> · IMDG, IATA 	<p style="margin-left: 20px;">8</p>
<ul style="list-style-type: none"> · Class · Label 	<p style="margin-left: 20px;">8 Corrosive substances 8</p>
<ul style="list-style-type: none"> · Packing group · DOT · IMDG, IATA 	<p style="margin-left: 20px;">Not applicable III</p>

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/23/2015

Reviewed on 02/27/2014

Trade name: *Compliant*

(Contd. of page 7)

· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	
· Danger code (Kemler):	80
· EMS Number:	F-A,S-B
· Segregation groups	Acids
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT	Corrosive to Aluminum, Excepted per 49CFR 173.154 (d) (1). This product was tested for corrosivity toward a steel surface and found to be Non-Corrosive by the test protocol. It is therefore specifically exempted from corrosive warnings for transportation purposes.
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN3265, Corrosive liquid, acidic, organic, n.o.s. (Mineral Acid Salt of Organic Amide), 8, III

15 Regulatory information

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

· Section 355 (extremely hazardous substances):
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None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):
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67-63-0	propan-2-ol
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111-76-2	2-butoxyethanol
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· TSCA (Toxic Substances Control Act):

68439-46-3	C9-11 Alcohols Ethoxylated
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67-63-0	propan-2-ol
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111-76-2	2-butoxyethanol
----------	-----------------

7732-18-5	water, distilled, conductivity or of similar purity
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· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:
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None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:
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None of the ingredients is listed.

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

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Trade name: **Compliant**

(Contd. of page 8)

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

111-76-2	2-butoxyethanol	NL
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· **TLV (Threshold Limit Value established by ACGIH)**

67-63-0	propan-2-ol	A4
111-76-2	2-butoxyethanol	A3

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

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labeling:**

Mineral Acid Salt of Organic Amide

· **Hazard statements**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

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.

· **Department issuing SDS:** Environment protection department.

· **Date of preparation / last revision**

06/23/2015 / -

03/18/2014 Revised

· **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)

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/23/2015

Reviewed on 02/27/2014

Trade name: Compliant

(Contd. of page 9)

*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)**VOC: Volatile Organic Compounds (USA, EU)**Acute Tox. 4: Acute toxicity, Hazard Category 4**Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2**Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A**** Data compared to the previous version altered.***GHS "H" phrases changed from H314 to H315 and H319. Corrosive to Aluminum changed to reacts with aluminum and section 14 phrase "Corrosive to Aluminum , Excepted per CFR 173.154 (d) (1) " added.*

USA