

SAFETY DATA SHEET



LIQUID DISINFECTANT CLEANSER

Section 1. Chemical product and company identification

Product name : LIQUID DISINFECTANT CLEANSER
Recommended use and restrictions : disinfectant
Use only for the purpose on the product label.

Product dilution information : Not applicable

Supplier's information : Kay Chemical Company
8300 Capital Drive
Greensboro NC 27409
1-800-529-5458 (Customer Service)
Code : 913654-01
Date of issue : 24 Jan 2014
EPA Registration No. : 5389-13
EMERGENCY HEALTH INFORMATION: 1-877-231-2615
Outside United States and Canada CALL 0-952-853-1713

Section 2. Hazards identification

GHS Classification : **Product AS SOLD**
: SERIOUS EYE DAMAGE/ EYE IRRITATION -
Category 2B

GHS label elements

Signal word : CAUTION

Hazard statements : Causes eye irritation.

Precautionary statements

Prevention : Wash hands thoroughly after handling.
Response : IF IN EYES: Rinse cautiously with water for
several minutes. Remove contact lenses, if
present and easy to do. Continue rinsing. If eye
irritation persists: Get medical attention.
Storage : No other specific measures identified.
Disposal : See section 13 for waste disposal information.
Other hazards : None known.

Product AT USE DILUTION

Product is sold ready to use.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
ALUMINA	20	1344-28-1
calcium hypochlorite	0.65	7778-54-3
SODIUM CARBONATE	5 - 20	497-19-8
ARGILLA	1 - 5	12199-37-0

Section 3. Composition/information on ingredients

Product AT USE DILUTION

Hazardous ingredients

Concentration Range (%)

CAS number

Product is sold ready to use.

Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.	Product is sold ready to use.
Skin contact	: No known effect after skin contact. Rinse with water for a few minutes.	
Inhalation	: No special measures required. Treat symptomatically.	
Ingestion	: Get medical attention if symptoms occur.	
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing media : Use water spray, fog or foam.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Specific fire-fighting methods : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

	Product AS SOLD
Personal precautions	: Use personal protective equipment as required.
Environmental precautions	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.
Methods for cleaning up	: Use a water rinse for final clean-up.

Product AT USE DILUTION

Product is sold ready to use.

Section 7. Handling and storage

	Product AS SOLD
Handling	: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	: Keep out of reach of children. Keep container tightly closed.
	Store between the following temperatures: 0 and 40°C

Product AT USE DILUTION

Product is sold ready to use.

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
ALUMINA	NIOSH REL (United States, 6/2009). TWA: 5 mg/m ³ , (as Al) 10 hours. Form: PYRO POWDERS AND WELDING FUMES OSHA PEL (United States, 6/2010). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 3/2012). TWA: 1 mg/m ³ 8 hours. Form: Respirable fraction

	Product AS SOLD	Product AT USE DILUTION
Appropriate engineering controls	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	Product is sold ready to use.
Personal protection		
Eye protection	: No protective equipment is needed under normal use conditions.	
Hand protection	: No protective equipment is needed under normal use conditions.	
Skin protection	: No protective equipment is needed under normal use conditions.	
Respiratory protection	: A respirator is not needed under normal and intended conditions of product use.	
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

Section 9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
Physical state	: Liquid.	Product is sold ready to use.
Color	: White [Light]	
Odor	: Fragrance-like	
pH	: 11.8 to 12.4 (100%)	
Flash point	: > 100°C Product does not support combustion.	
Explosion limits	: Not available.	
Flammability (solid, gas)	: Not available.	

Section 9. Physical and chemical properties

Melting point	: Not available.
Boiling point	: Not available.
Evaporation rate (butyl acetate = 1)	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.15 to 1.35 (Water = 1)
Solubility	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Odor threshold	: Not available.
Viscosity	: Kinematic (room temperature): 0 cm ² /s (0 cSt)

Section 10. Stability and reactivity

Product AS SOLD

Stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Materials to avoid	: Extremely reactive or incompatible with the following materials: acids. Slightly reactive or incompatible with the following materials: metals.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Route of exposure	: Skin contact, Eye contact, Inhalation, Ingestion
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Product AS SOLD

Symptoms

Eye contact	: Adverse symptoms may include the following: irritation watering redness
Skin contact	: No specific data.
Inhalation	: No specific data.
Ingestion	: No specific data.

Acute toxicity

Eye contact	: Causes eye irritation.
Skin contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

Toxicity data

Product/ingredient name

Product AT USE DILUTION

Product is sold ready to use.

Section 11. Toxicological information

aluminium oxide	LC50 Inhalation Dusts and mists	Rat	>3.78 mg/l
sodium carbonate	LD50 Oral LC50 Inhalation Dusts and mists	Rat Rat	>10000 mg/kg 1.15 mg/l
calcium hypochlorite	LD50 Dermal LD50 Oral LD50 Dermal LD50 Oral	Rabbit Rat Rabbit Rat	>2000 mg/kg 2800 mg/kg >2000 mg/kg 790 mg/kg

Chronic toxicity

Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD

Ecotoxicity : This material is harmful to aquatic life.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
sodium carbonate	Acute EC50 200 mg/l	Daphnia	48 hours
calcium hypochlorite	Acute LC50 0.19 mg/l	Fish	96 hours

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Product AS SOLD
Disposal methods : Diluted product can be flushed to sanitary sewer.
 Discard empty container in trash.

Product AT USE DILUTION
 Product is sold ready to use.

Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

DOT

DOT Classification Not regulated.

IMO/IMDG

IMO/IMDG Classification UN3266
IMO/IMDG Proper shipping name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium metasilicate)
Class 8
Packing group III

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION
 Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

EPA Registration No. : 5389-13

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: aluminium oxide	1344-28-1	20.463

California Prop. 65 : No listed substance

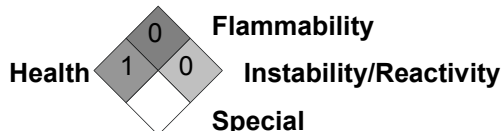
Section 16. Other information

Product AS SOLD

Hazardous Material :
Information System (U.S.A.)

Health	1
Flammability	0
Physical hazards	0

National Fire Protection :
Association (U.S.A.)



Date of issue : 24 Jan 2014
Prepared by : Regulatory Affairs
1-800-352-5326

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.