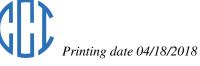
US

Safety Data Sheet acc. to OSHA HCS



1/18/2018

Reviewed on 09/25/2017

1 Identification

- · Product identifier
- · Trade name: WHITEOUT
- · Details of the supplier of the safety data sheet

• Manufacturer/Supplier: Chemical Consultants Inc. 1850 Wild Turkey Circle Corona, CA 92880 USA +1 (951) 735-5511 ncollins@ccidom.com

• Information department: Product safety department

• Emergency telephone number: INFOTRAC 1-800-535-5053

2 Hazard(s) identification

· Classification of the substance or mixture

GHS05 Corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

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



· Signal word Danger

• Hazard-determin sodium hydroxide	ing components of labeling:
N-cyclohexyl-2-py	
· Hazard statement	
	ere skin burns and eye damage.
· Precautionary sta	
P260	Do not breathe dusts or mists.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P33	1 If swallowed: Rinse mouth. Do NOT induce vomiting.
	3 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/
	shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P33	8 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
	and easy to do. Continue rinsing.
P310	Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
	(Contd. on page 2)

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P501	(Contd. of page 1) Dispose of contents/container in accordance with local/regional/national/international regulations.
· Classificatio · NFPA rating	n system: gs (scale 0 - 4)
310	Health = 3 Fire = 1 Reactivity = 0
· HMIS-ratin	gs (scale 0 - 4)
FIRE	³ <i>Health</i> = *3 <i>Fire</i> = 1 <i>Reactivity</i> = 0
Other hazar Results of P PBT: Not ap vPvB: Not a	BT and vPvB assessment plicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

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

· Dangerous components:		
	1-Phenoxypropan-2-ol	25-45%
1310-73-2	sodium hydroxide	20-40%
	N-cyclohexyl-2-pyrrolidone	10-25%
	Tridecylpoly(ethyleneoxy)ethanol	1-10%
106-65-0	Methyl succinate	1-10%
64366-70-7	2-Ethyl Hexanol EO-PO Nonionic Surfactant	1-5%

4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- 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: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a 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.

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(Contd. of page 2)

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- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. · Environmental precautions: Dilute with plenty of water. For large spills: Do not allow to enter sewers/ surface or ground water. • Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. 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. · Protective Action Criteria for Chemicals · PAC-1: 1310-73-2 sodium hydroxide 0.5 mg/m3 56-81-5 glycerol 45 mg/m3 · PAC-2: 1310-73-2 sodium hydroxide 5 mg/m3 56-81-5 glycerol 180 mg/m3 · PAC-3: 1310-73-2 sodium hydroxide 50 mg/m3 56-81-5 glycerol 1,100 mg/m3

7 Handling and storage

· Handling:

- · Precautions for safe handling No special precautions are necessary if used correctly.
- · 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: 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.

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- (Contd. of page 3) · Control parameters · Components with limit values that require monitoring at the workplace: The following constituent is the only constituent of the product which has a PEL, TLV or other recommended *exposure limit.* At this time, the other constituents have no known exposure limits. 1310-73-2 sodium hydroxide PEL Long-term value: 2 mg/m³ REL Ceiling limit value: 2 mg/m³ TLV Ceiling limit value: 2 mg/m³ · 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. Avoid contact with the eyes and skin. · Breathing equipment: Not required. · Protection of hands: Protective gloves 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 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. • Eve protection: Tightly sealed goggles **9** Physical and chemical properties
 - \cdot Information on basic physical and chemical properties
 - General Information
 - Appearance:
 - Form: Color:
 - · Odor:

Pasty White Characteristic

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	(Contd. of page -
· Odor threshold:	Not determined.
· pH-value:	Not determined.
• Change in condition Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	1,390 °C (33.8 °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. Not determined.
Upper:	
· Vapor pressure at 800 °C (1,472 °F):	3.5 hPa (2.6 mm Hg)
· Density at 20 °C (68 °F):	1.2 g/cm ³ (10.014 lbs/gal)
· Relative density	Not determined.
· Vapor 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.
· Solvent content:	
VOC content:	376.0 g/l / 3.14 lb/gl
• Other information	No further relevant information available.

10 Stability and reactivity

• *Reactivity* No further relevant information available.

· Chemical stability

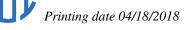
• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions No dangerous reactions known.

· Conditions to avoid No further relevant information available.

- *Incompatible materials:* No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

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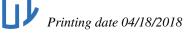
	oxicological information
· In	formation on toxicological effects
	cute toxicity:
· Ll	D/LC50 values that are relevant for classification:
13	10-73-2 sodium hydroxide
0	ral LD50 2,000 mg/kg (rat)
·Pr	imary irritant effect:
	the skin: Strong caustic effect on skin and mucous membranes.
	the eye:
	rong caustic effect.
	rong irritant with the danger of severe eye injury.
	nsitization: No sensitizing effects known.
· Ac	Iditional toxicological information:
Τk	ne product shows the following dangers according to internally approved calculation methods for preparation.
	prrosive
	ritant
	vallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophag
an	id stomach.
· Ca	arcinogenic categories
· IA	RC (International Agency for Research on Cancer)
Na	one of the ingredients is listed.
$\cdot N'$	TP (National Toxicology Program)
No	one of the ingredients is listed.
· 0.	SHA-Ca (Occupational Safety & Health Administration)
	one of the ingredients is listed.
2 E	cological information
. T	oxicity
	<i>quatic toxicity:</i> No further relevant information available.
	ersistence and degradability No further relevant information available.
	chavior in environmental systems:
	<i>oaccumulative potential</i> No further relevant information available.
	obility in soil No further relevant information available.
	Iditional ecological information:
	eneral notes:
	o not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
	ust not reach bodies of water or drainage ditch undiluted or unneutralized.
111	

• **vPvB:** Not applicable.

• Other adverse effects No further relevant information available.

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13 Disposal considerations

· Waste treatment methods

· Recommendation:

Dispose of content and/or container in accordance with local, regional, national and/or international regulations.

- · Uncleaned packagings:
- · Recommendation:

Dispose of content and/or container in accordance with local, regional, national and/or international regulations · Recommended cleansing agent: Water, if necessary with cleansing agents.

UN-Number DOT, IMDG, IATA	UN1760
UN proper shipping name	
DOT	Corrosive liquids, n.o.s. (Sodium hydroxide)
IMDG, IATA	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)
Transport hazard class(es)	
DOT	
<u>w</u>	
CORROSIVE	
V	
Class	8 Corrosive substances
Label	8
IMDG, IATA	
Class	8 Corrosive substances
Label	8
Packing group	
DOT, IMDG, IATA	11
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Corrosive substances
Danger code (Kemler):	80
EMS Number:	F- A , S - B
Segregation groups	Alkalis
Stowage Category	
Stowage Code	SW2 Clear of living quarters.
Transport in bulk according to Annex	
MARPOL73/78 and the IBC Code	Not applicable.



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Trade name: WHITEOUT

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· Transport/Additional information:	
• DOT • Quantity limitations	On passenger aircraft/rail: 1 L On cargo aircraft only: 30 L
 IMDG Limited quantities (LQ) Excepted quantities (EQ) 	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1760 CORROSIVE LIQUIDS, N.O.S. (SODIUM HYDROXIDE), 8, II

15 Regulatory information

 \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot 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.

· 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.

· Carcinogenic categories

 \cdot 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.

• GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). (Contd. on page 9)

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	(Contd. of page 8
Hazard pictogr	rams
$\mathbf{\wedge}$	
L.	
CUE05	
GHS05	
Signal word Da	anger
Hazard-determ	ining components of labeling:
sodium hydroxi	
N-cyclohexyl-2	-pyrrolidone
Hazard stateme	
H314 Causes se	evere skin burns and eye damage.
Precautionary	statements
P260	Do not breathe dusts or mists.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P	2331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P	2353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P	² 338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if presen and easy to do. Continue rinsing.
P310	Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/internationa 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. California AQMD rule 1171 compliant when used as a dehazer for the removal of cured inks / stains

· Department issuing SDS: Environment protection department.

- · Date of preparation / last revision 04/18/2018 / -
- Abbreviations and acronyms: 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) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health

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[·] Contact: Mr. Collins

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TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Skin Corr. 1A: Skin corrosion/irritation – Category 1A Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Reviewed on 09/25/2017

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