

Revision Date 02/09/2015

Revision 7



SAFETY DATA SHEET CPS HAZE REMOVER HV

1. IDENTIFICATION

Product Name	CPS HAZE REMOVER HV
Identification No.	3266
Identified uses	Industrial use: Screen printing
Uses advised against	The product should not be used for any purpose, other than that described above.
Supplier	MacDermid Autotype Inc. 1675 Winnetka Circle Rolling Meadows IL 60008 USA T: 001 847 818 8262 F: 001 847 818 8280 e: technical@cps.eu
Manufacturer	CPS - Chemical Products and Services, Grove Road, Wantage, Oxfordshire, OX12 7BZ UNITED KINGDOM T: +44 (0) 1235 773240 F: +44 (0) 1235 771196 e: technical@cps.eu
Emergency Telephone	800-424-9300 (Chemtrec, 24 hours)

2. HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW

This Product is Hazardous under the OSHA Hazard Communication Standard. This product is hazardous under the Workplace Hazardous Materials Information System (WHMIS)

GHS Pictogram



Signal Word	Danger	
Hazard Statements	H314 H400	Causes severe skin burns and eye damage. Very toxic to aquatic life.
Precautionary Statements	P273 P280 P305+351+338 P310 P501	Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Dispose of contents/container in accordance with local regulations.
GHS Classification	Physical and Chemical Hazards Human health Environment	Not classified. Skin Corr. 1B - H314 Aquatic Acute 1 - H400

3. COMPOSITION/INFORMATION ON INGREDIENTS

CPS HAZE REMOVER HV

SODIUM HYDROXIDE		1-5%
CAS No.: 1310-73-2	EC No.: 215-185-5	
GHS Classification Skin Corr. 1A - H314		
SODIUM HYPOCHLORITE SOLUTION, ... % Cl ACTIVE		1-5%
CAS No.: 7681-52-9	EC No.: 231-668-3	
GHS Classification Skin Corr. 1B - H314; Aquatic Acute 1 - H400		
SODIUM CARBONATE		1-5%
CAS No.: 497-19-8	EC No.: 207-838-8	
GHS Classification Eye Irrit. 2 - H319		

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation

Unlikely route of exposure as the product does not contain volatile substances. In case of inhalation of spray mist: Move person into fresh air and keep at rest. Get medical attention.

Ingestion

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

Skin Contact

Flush immediately with plenty of water and remove contaminated clothing. Call an ambulance, continue to rinse during transportation to hospital and bring these instructions.

Eye Contact

Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital taking along these instructions.

Most important symptoms and effects, both acute and delayed

Inhalation

Severe irritation in nose and throat.

Ingestion

May cause chemical burns in mouth and throat.

Skin Contact

May cause serious chemical burns to the skin.

Eye Contact

May cause blurred vision and serious eye damage.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

No specific first aid measures noted.

5. FIRE-FIGHTING MEASURES

Auto Ignition Temperature (°C)

Not available.

Flammability Limit - Lower(%)

Not applicable.

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Flammability Limit - Upper(%)

Not applicable.

Flash point (°C)

Not applicable.

Extinguishing Media

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

None known.

Hazardous combustion products

Oxygen. Corrosive gases/vapors/fumes of: Chlorine.

Protective Equipment For Fire-Fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire. Severe corrosive hazard. Wear chemical protection suits.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this material safety data sheet. In case of spills, beware of slippery floors and surfaces.

Environmental Precautions

Do not discharge onto the ground or into water courses.

Spill Clean Up Methods

Stop leak if possible without risk. DO NOT touch spilled material! Collect spillage with granulates, sawdust, rags or other absorbent. Flush with plenty of water to clean spillage area.

7. HANDLING AND STORAGE

Handling

Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Promptly remove any clothing that becomes wet. Wash promptly if skin becomes wet.

Storage

Store in tightly closed original container in a dry and cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
SODIUM HYDROXIDE			2 mg/m ³			C
SODIUM HYDROXIDE	PEL	-	2 mg/m ³	-	-	
COMPONENT						IDLH
SODIUM HYDROXIDE						10 mg/m ³

Ceiling limit

Process Conditions

Provide eyewash, quick drench.

Engineering Measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of spray.

Respiratory Equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand Protection

Wear protective gloves. Butyl rubber gloves are recommended. Neoprene gloves are recommended. Nitrile gloves are recommended.

Eye Protection

Wear tight-fitting goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Viscous liquid.

Color Yellow.

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Odor	Chlorine.
Solubility	Miscible with water
Initial boiling point and boiling range	100 °C (212 °F)
Melting point (°C)	Not applicable.
Relative density	1.12 g/ml @ 20 °C (68 °F)
Vapor density (air=1)	Not applicable.
Evaporation rate	Not available.
pH-Value, Conc. Solution	12 ± 1
Viscosity	Not available.
Decomposition temperature (°C)	Not available.
Flash point	Not applicable.
Auto Ignition Temperature (°C)	Not available.
Flammability Limit - Lower(%)	Not applicable.
Flammability Limit - Upper(%)	Not applicable.
Oxidising properties	Does not meet the criteria for oxidising.
Volatile Organic Compound (VOC)	0 g/litre

10. STABILITY AND REACTIVITY**Reactivity**

Reaction with: Acids.

Stability

Stable under normal temperature conditions and recommended use.

None known.

Conditions To Avoid

Avoid excessive heat for prolonged periods of time.

Materials To Avoid

Strong acids.

Hazardous Decomposition Products

None at ambient temperatures.

11. TOXICOLOGICAL INFORMATION**Toxicological information**

No data recorded.

12. ECOLOGICAL INFORMATION**Degradability**

The product is expected to be biodegradable.

Bioaccumulative potential

The product does not contain any substances expected to be bio-accumulating.

Mobility:

Mobile. The product is miscible with water. May spread in water systems.

Other adverse effects

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

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Ecological Information on Ingredients:

SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE (CAS: 7681-52-9)

LC 50, 96 Hrs, Fish mg/l

< 1 mg/l

AMINES, COCO ALKYLDIMETHYL, N-OXIDES (CAS: 61788-90-7)

LC 50, 96 Hrs, Fish mg/l

10 - 100 mg/l

EC 50, 48 Hrs, Daphnia, mg/l

1 - 10 mg/l

IC 50, 72 Hrs, Algae, mg/l

< 1 mg/l

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Contact specialist disposal companies. Small quantities in an industrial wastewater stream are easily treated in biological treatment systems. The product contains organically bound halogen. May contribute to an increase in the AOX value.

Waste Class

This product should be considered a hazardous waste under RCRA (corrosive waste, D002).

14. TRANSPORT INFORMATION

UN No. (DOT/TDG)	3266
UN No. (IMDG)	3266
UN No. (ICAO)	3266
DOT Proper Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE)
TDG Proper Shipping Name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE)
DOT Hazard Class	8
DOT Hazard Label	Corrosive
TDG Class	8
TDG Label(s)	8
IMDG Class	8
ICAO Class	8
Transport Labels	



DOT Pack Group	II
IMDG Pack Group	II
Air Pack Group	II

Environmentally Hazardous Substance/Marine Pollutant



EMS

F-A, S-B

CPS HAZE REMOVER HV

15. REGULATORY INFORMATION

US Federal Regulations**Federal Regulations Comments**

SECTION 313: This product contains toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. Sodium Hydroxide. Sodium Hypochlorite. TSCA: The ingredients of this product are on the TSCA Inventory.

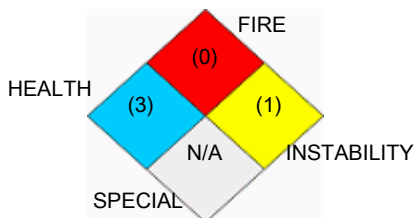
US State Regulations**State Regulations Comments**

State and local regulations may apply.

16. OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH	3
FLAMMABILITY	0
PHYSICAL	1
PERSONAL PROTECTION	D

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)**Revision Comments**

NOTE: Lines within the margin indicate significant changes from the previous revision.

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Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.