



Revision Number: 001.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: OPTAL 9200 formerly CYCLOFLEX II IDH number: 1215712
 14-9200 054
 Product type: Adhesive
 Company address: Henkel Corporation
 10 FINDERNE AVENUE
 BRIDGEWATER, NEW JERSEY 08807
 Region: United States
 Contact information:
 Customer Service: 1-888-480-6889
 Emergency phone: 860-571-5100
 Transport: CHEMTREC 800-424-9300
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	
Physical state:	Liquid
Color:	White
Odor:	Citrus
None:	Not classified as hazardous.
HMIS:	
HEALTH:	1
FLAMMABILITY:	0
PHYSICAL HAZARD:	0
Personal Protection:	See MSDS Section 8

Relevant routes of exposure: Skin, Eyes, Inhalation

Potential Health Effects

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Skin contact: Prolonged and/or repeated skin contact may result in mild irritation or redness.
Eye contact: May cause slight irritation to eyes on contact.
Ingestion: May cause gastrointestinal tract irritation if swallowed. Not expected under normal conditions of use.

Existing conditions aggravated by exposure: None known

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
None	None	None

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
Skin contact: Wash with soap and water. If symptoms develop and persist, get medical attention.
Eye contact: If irritation develops, flush eyes immediately with large amounts of water. If irritation persists, seek medical attention or advice.

Ingestion: Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. If symptoms develop and persist, get medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash point: > 100.00 °C (> 212°F) Closed cup

Autoignition temperature: Not applicable

Flammable/Explosive limits - lower: Not applicable

Flammable/Explosive limits - upper: Not applicable

Extinguishing media: Use extinguishing measures appropriate to local circumstances and the surrounding environment. Water spray or fog. Foam. Carbon dioxide. Dry chemical.

Special firefighting procedures: Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

Unusual fire or explosion hazards: This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a moderate fire hazard. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.

Hazardous combustion products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions: No special environmental precautions required. Do not allow material to contaminate ground water system.

Clean-up methods: Take up with liquid-absorbing material (sand). Wash spillage site thoroughly with soap and water or detergent solution. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling: Avoid extreme temperatures. Protect from freezing. This material should not be spilled, discharged, or flushed into sewers or public waterways. Product contains low level of organic volatiles which could accumulate in the unvented headspace of drums or bulk storage vessels. Open drums in well ventilated area. Avoid breathing vapors.
Do not wear contact lenses.

Storage: For safe storage, store between 5.0 °C (41°F) and 40.0 °C (104°F)
Below temperature limit the product properties will change. Keep container closed. Keep from freezing. Keep in a cool place.
Below temperature limit the product will be irreversibly damaged and no longer usable. Keep container closed. Keep from freezing. Keep in a cool place.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
None	None	None	None	None

Engineering controls: Handle in accordance with good industrial hygiene and safety practice. General room ventilation is usually adequate.

Respiratory protection: Under normal conditions, respirator is not normally required. If ventilation is not sufficient to effectively prevent buildup of vapor/mist/fume/dust, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection: Wear safety glasses with side shields. Do not wear contact lenses.

Skin protection: Use of protective coveralls and long sleeves is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: White
Odor: Citrus
Odor threshold: Not available
pH: 8.5 - 9.5
Vapor pressure: 17.5000000 mm hg (20.0 °C (68°F))
Boiling point/range: > 100.0 °C (> 212°F)
Melting point/ range: 0.0 °C (32°F) (Freezing point)
Specific gravity: 1.0900
Vapor density: > 1.0000 (Air = 1)
Flash point: > 100.00 °C (> 212°F) Closed cup
Flammable/Explosive limits - lower: Not applicable
Flammable/Explosive limits - upper: Not applicable
Autoignition temperature: Not applicable
Evaporation rate: 1.00 Same as water.
Solubility in water: Miscible
Partition coefficient (n-octanol/water): Not available
VOC content: < 0.10 % (by weight)

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous reactions: Will not occur.

Hazardous decomposition products: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Incompatible materials: This product may react with strong oxidizing agents.

Conditions to avoid: Freezing. Product may be unstable if frozen.

11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
None	None	None	None

Hazardous components	Health Effects/Target Organs
None	None

12. ECOLOGICAL INFORMATION

Ecological information: No data available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal. This product is not a RCRA hazardous waste when discarded. Processing, use, or contamination of this product may change the hazard classification and waste management options.

Hazardous waste number: None identified.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12(b) Export Notification: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: None
CERCLA/SARA 313: None above reporting de minimus

California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

WHMIS hazard class: Not controlled

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Not available

Prepared by: L. Evans, Regulatory Affairs

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