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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name:	HYSOL OB4210 GA LED 4.259KG	Kit Number:	OS4210
Product type:	Epoxy Hardener	Item No. :	OB4210-B50 / IDH No. 499631
Company address:	Henkel Corporation 15051 East Don Julian Road Industry, California 91746	Region:	United States
		Contact Information:	Telephone: 626.968.6511 Emergency Telephone: 860.571.5100 Internet: www.electronics.henkel.us

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Methylhexahydro phthalic anhydride 25550-51-0	60-100	None	None	None
Alicyclic dicarboxylic anhydride 85-42-7	10-30	0.005 mg/m ³ Ceiling	None	None
Tetra ethyl ammonium bromide 71-91-0	1-5	None	None	None

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Physical state: Liquid	HEALTH: 3*
Color: Pale yellow	FLAMMABILITY: 1
Odor: Aromatic	PHYSICAL HAZARD: 0
	Personal Protection: See Section 8

WARNING: CAUSES EYE AND SKIN IRRITATION.
MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes, Ingestion**Potential Health Effects**

Inhalation:	May cause respiratory tract irritation. May cause allergic respiratory reaction. Coughing.
Skin contact:	Severe skin irritation. Repeated or prolonged exposure may cause skin burns. May cause allergic skin reaction.
Eye contact:	Severe eye irritation. Repeated or prolonged contact may cause burns. Pain and discomfort. Blurred vision. Tearing. Redness.
Ingestion:	May cause gastrointestinal tract irritation if swallowed.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders. Skin allergies. Respiratory allergies. Asthma. Eczema.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Remove contaminated clothing and shoes. Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms develop and persist. Wash clothing before reuse.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash point:	Greater than 93°C (200°F)	Tagliabue closed cup
Autoignition temperature:	Not available	
Flammable/Explosive limits-lower %:	Not available	
Flammable/Explosive limits-upper %:	Not available	
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.	
Special fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Use water spray to keep fire exposed containers cool.	
Unusual fire or explosion hazards:	None	
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen. Amines. Hydrogen bromide (HBr). Hydrocarbons.	

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Do not allow material to contaminate ground water system. Prevent product from entering drains or open waters.
Clean-up methods:	Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Remove the absorbed material, and place in an appropriate chemical waste container for disposal.

7. HANDLING AND STORAGE

Handling:	Do not taste or swallow. Do not breathe mist or vapors. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (626) 968-6511

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination below occupational exposure limits.
Respiratory protection:	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Skin protection:	Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.
Eye/face protection:	Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

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See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Pale yellow
Odor:	Aromatic
Vapor pressure:	Not available
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	1.1
Vapor density:	Not available
Evaporation rate:	Not available
Solubility in water:	Insoluble.
Partition coefficient (n-octanol/water):	Not available
VOC content:	Not available

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions
Hazardous polymerization:	None under normal processing.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Amines. Hydrogen bromide (HBr). Hydrocarbons.
Incompatibility:	Oxidizing agents. Acids and bases. Alcohols. Water.
Conditions to avoid:	Storage with incompatible materials. Heat, flames, sparks and other sources of ignition. Exposure to moisture.

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Methylhexahydro phthalic anhydride 25550-51-0	No	No	No
Alicyclic dicarboxylic anhydride 85-42-7	No	No	No
Tetra ethyl ammonium bromide 71-91-0	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Methylhexahydro phthalic anhydride 25550-51-0	Allergen, Irritant, Respiratory
Alicyclic dicarboxylic anhydride 85-42-7	Allergen, Irritant, Respiratory
Tetra ethyl ammonium bromide 71-91-0	No Target Organs

12. ECOLOGICAL INFORMATION

Ecological information:	Not available
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13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with Federal, State and local regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

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/MDG):

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.

CERCLA/SARA Section 302 EHS: None.

CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard

CERCLA/SARA 313: None.

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

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

WHMIS hazard class: D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format. Updated WHMIS. Updated HMIS rating in Section 3. New information added in section(s): 1 - 16.

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