

Printing Date 07/12/2010

ROYA

Revision Number 2

Reviewed on 10/08/2009

1 Identification of substance

- · Product details
- · Trade name: 43645 (Hardman Epocap 3645 Part A)

GUNTHER

MIRROR

- · Article number: 43645
- *Manufacturer/Supplier: Royal Adhesives And Sealants, LLC* 2001 W. Washington Street South Bend IN 46628-2023
- · Information department: Environment protection department.
- · Emergency information: ChemTrec: UNITED STATES 1(800)424-9300 INTERNATIONAL 202-483-7616

2 Composition/Data on components

· Chemical characterization

• Description: Mixture of the substances listed below with nonhazardous and Trade Secret addition(s).

• Dangerous components:

For Trade Secret information refer to 29 CFR 1910.120.

25068-38-6	-r,	50-100%	
	Warning: 🕦 3.2/2, 3.3/2A, 3.4.S/1		
	♦ 4.1.C/2		
2426-08-6	butyl glycidyl ether	10-25%	
	Warning: 🔞 2.6/3; 🚯 3.5/2, 3.6/2; 🕦 3.1.0/4, 3.1.I/4, 3.4.S/1, 3.8/3		
	4.1.C/3		
Additional information. For the wording of the listed wish physics refer to section 15			

• Additional information: For the wording of the listed risk phrases refer to section 15.

3 Hazards identification

• Hazard description:

Harmful

Dangerous for the environment

- · Information pertaining to particular dangers for man and environment:
- Irritating to eyes and skin.

Limited evidence of a carcinogenic effect.

May cause sensitisation by skin contact.

Possible risk of irreversible effects.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Contains epoxy constituents. See information supplied by the manufacturer.

· Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· NFPA ratings (scale 0 - 4)

 $\begin{array}{c} 2 \\ 0 \\ \end{array}$ Health = 3 Fire = 2 Reactivity = 0

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HMIS ratings (scale 0 A)	(Contd. of pag
HMIS-ratings (scale 0 - 4)	
HEALTH 3 $Health = 3$	
FIRE 2 $Fire = 2$	
PHYSICAL HAZARD Physical Hazard = 0	
GHS label elements	
Health hazard Warning	
3.5/2 - Suspected of causing genetic defects.	
3.6/2 - Suspected of causing cancer.	
Exclamation mark Warning	
3.2/2 - Causes skin irritation.	
3.3/2A - Causes serious eye irritation.	
3.4/1 - May cause an allergic skin reaction.	
Warning	
2.6/4 - Combustible liquid.	
Environment	
4.1/2 - Toxic to aquatic life with long lasting effects.	
Prevention:	
Keep away from heat/sparks/open flames/hot surfaces No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray.	
Response:	
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present	nt and easy to do.
Continue rinsing.	
Specific treatment (see on this label).	
Storage:	
Store locked up.	
Disposal:	
Dispose of contents/container in accordance with local/regional/national/international regula	tions.

4 First aid measures

Remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:
- *Rinse opened eye for 15 minutes under running water. If eye becomes irritated, obtain medical treatment. After swallowing:*
- Drink two glasses of water and immediately induce vomiting. Never give fluids if victim is ouconscious or having convulsions. Seek immediate medical attention.
- Immediately call a doctor.
- Seek medical treatment.

5 Fire fighting measures

- · Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray. Use fire fighting measures that suit the environment.
- \cdot **Protective equipment:** Protective clothing and respiratory protective device.

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[•] After inhalation:

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6 Accidental release measures

- · Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
 Measures for cleaning/collecting:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste in accordance with federal state and local regulations. Ensure adequate ventilation.

7 Handling and storage

· Handling:

- Information for safe handling: Ensure good ventilation/exhaustion at the workplace.
- · Information about protection against explosions and fires: No special measures required.

· Storage:

- Requirements to be met by storerooms and receptacles: Store in a cool location away from direct heat.
- · Information about storage in one common storage facility: Keep away from open flames and high temperatures.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

· Additional information about design of technical systems: No further data.

· Components with limit values that require monitoring at the workplace:

2426-08-6 butyl glycidyl ether (10-25%)

- PEL 270 mg/m³, 50 ppm
- REL Short-term value: C 30* mg/m³, C 5.6* ppm *15-min TLV 16 mg/m³, 3 ppm
- Skin; SEN

• Additional information: The lists that were valid during the creation were used as basis.

· Personal protective equipment (see listings below)

- 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 and skin.
- · Breathing equipment:

Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

• **Protection of hands:** Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

• Material of gloves

Nitrile rubber, NBR Chloroprene rubber, CR

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· Eye protection:

Safety glasses with side shields.



Tightly sealed goggles

· Body protection:

Emergency showers and eye wash stations should be available. Protective work clothing

9 Physical and chemical properties

· General Information			
Form:	Liquid		
Color:	Clear		
Odor:	Characteristic		
· Change in condition			
Melting point:	Undetermined.		
Boiling point:	Undetermined.		
· Flash point:	73°C (163°F)		
· Ignition temperature:	215°C (419°F)		
· Auto igniting:	Product is not selfigniting.		
• Danger of explosion:	Product does not present an explosion hazard.		
• Vapor pressure at 20°C (68°F)): 3.5 hPa (3 mm Hg)		
• Specific gravity at 20°C (68°F): 1.14 g/cm ³			
· Solubility in / Miscibility with			
Water:	Not miscible or difficult to mix.		
· Solvent content:			
Organic solvents:	0.0 %		
VOC (Per EPA 24)	N/A GMS/L		
Solids content:	86.4 %		

10 Stability and reactivity

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

• Materials to be avoided:

· Dangerous reactions Strong oxidizing agents.

· Dangerous products of decomposition: Carbon Monoxide, Carbon Dioxide, Aldehydes, acids.

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		• •	• •
1 Toxicol	noical	Int	ormation
	08.000		0111100000

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

2426-08-6 butyl glycidyl ether

Oral LD50 2050 mg/kg (rat)

Dermal LD50 2520 mg/kg (rabbit)

· Primary irritant effect:

 \cdot on the skin:

May be severely irritating to the skin.

May be toxic if absorbed.

 \cdot on the eye:

May be severely irritating to the eyes.

- Vapors may be irritating to the eyes.
- Sensitization: Skin Contact Sensitization possible through skin contact.

· Additional toxicological information:

May be slightly toxic and may be harmful if swallowed.

Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

12 Ecological information

- · Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- General notes:

Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

13 Disposal considerations

· Product:

Disposal must be made according Federal, State and local regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

· Recommendation:

Disposal must be made according to official regulations. Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 Transport information

· DOT regulations: Non-hazardous via all transport modes.

• Hazard class:

Non-Hazardous

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[·] Recommendation:

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		(Contd. of page 5)
• Land transport A • ADR/RID class:	DR/RID (cross-border): - Not Regulated	
• Maritime transpo • IMDG Class:	t IMDG: - Not Regulated	
• Air transport ICA • ICAO/IATA Class	D-TI and IATA-DGR: : - Not Regulated	

· Transport/Additional information:

The above information applies to non-bulk containers.

Not regulated by D.O.T. if in a container of 119 gallon capacity or less.

Epoxy Resin - This product is not considered to be DOT hazardous when transported via any mode within the United States. However, if this product is transported to or within the European Community it is considered to be an Environmentally Hazardous Substance, Liquid Epoxy Resin, UN3082, Class 9.

15 Regulations

· 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 components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity:

None of the ingredients is listed.

\cdot (DSL) Canada Dosmestic Substance List

All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· IARC (International Agency for Research on Cancer)

None of the ingredients listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

• TLV (Threshold Limit Value established by ACGIH)

None of the ingredients listed.

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3B

• MAK (German Maximum	Workplace Concentration)
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2426-08-6 butyl glycidyl ether

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

• Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

• *Hazard-determining components of labelling:* Epoxy Resin butyl glycidyl ether

· Risk phrases:

Irritating to eyes and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Possible risk of irreversible effects. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• Special labeling of certain preparations: Contains epoxy constituents. See information supplied by the manufacturer.

- · National regulations:
- · Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS, Royal Adhesives & Sealants makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Royal Adhesives & Sealants or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the MSDS.

· Department issuing MSDS: Environment protection department.

- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- ACGIH: American Conference of Governmental Industrial Hygienists
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- *LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent*

[•] Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)



Revision Number 1

Preparation Date 04/05/2013

1 Identification of the substance/mixture and of the company/undertaking

· Product identifier

· Trade name: <u>53655 (Hardman Epoweld 3655 Part B)</u>

- Article number: 53655
- *Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.*
- \cdot Application of the substance / the preparation Epoxy curing agent

\cdot Details of the supplier of the safety data sheet

- Manufacturer/Supplier: Royal Adhesives And Sealants, LLC 2001 W. Washington Street South Bend IN 46628-2023 Information Phone Number: 574-246-5000
- Information department: Environment protection department. • Emergency telephone number: ChemTrec: UNITED STATES 1(800)424-9300 INTERNATIONAL 703-527-3887

2 Hazards identification

· Classification of the substance or mixture

GHS05 Corrosion

H318 Causes serious eye damage.

GHS07

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

· Label elements

• *GHS label elements* The product is classified and labelled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



· Signal word Danger

Hazard-determining components of labelling: Polyamide Triethylenetetramine
Hazard statements Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction.
Precautionary statements If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Avoid breathing dust/fume/gas/mist/vapours/spray.

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Wear pro	tective gloves/protective clothing/e	we protection face protection	(Contd. of page 1)
		r several minutes. Remove contact lenses, if present a	nd easy to do
Continue	• •	several minutes. Remove condict tenses, y present a	ia casy io ao.
	ely call a POISON CENTER or do	ctor/physician.	
	reatment (see on this label).		
		e with local/regional/national/international regulation	<i>15</i> .
	tion system:		
\cdot NFPA rat	tings (scale 0 - 4)		
	Health = 2		
	Fire = 1		
	$\int Reactivity = 0$		
	tings (scale 0 - 4)		
· HM15-ra	ungs (scule 0 - 4)		
HEALTH	2 Health = 2		
FIRE	1 $Fire = 1$		
PHYSICAL	HAZARD O Physical Hazard = 0		
· Other haz	zards		
	f PBT and vPvB assessment		
	applicable.		
• vPvB: No	t applicable.		
20	• ,• ,• ,• •	16 j.	
3 Compos	ition/information on ingred	tents	
· Chemical	characterization: Substances		
	Description		
Polyamid			
· Chemical	characterization: Mixtures		
• Descriptio	on: Mixture: consisting of the follo	owing components.	
· Dangeroi	is components:		
	Polyamide		50-100%

🛞 H311; 📀 H314; H318; 🚸 H317

112-24-3 Triethylenetetramine

*

*

4 First aid measures

- · Description of first aid measures
- · After inhalation:
- Supply fresh air or oxygen; call for doctor.
- 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.
- After swallowing: Do not induce vomiting; immediately call for medical help.
- · 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.

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2.5-10%

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5 Firefighting measures

- · Extinguishing media
- · Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray.
- Use fire fighting measures that suit the environment.
- Advice for firefighters Use water spray in a fire condition.
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.*
- *Environmental precautions:* 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). Dispose of contaminated material as waste in accordance with federal state and local regulations. 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.

7 Handling and storage

· Handling:

· Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

- 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: Store in a cool location away from direct heat.
- Information about storage in one common storage facility: Store away from oxidizing agents.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
- *Specific end use(s) No further relevant information available.*

8 Exposure controls/personal protection

- · Control parameters
- · Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment (see listings below)
- · General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

• **Protection of hands:** Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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• *Material of gloves Nitrile rubber, NBR*

Chloroprene rubber, CR

· 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.

• Eye protection:

Safety glasses with side shields.

60

Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties · General Information				
· Appearance:				
Form:	Liquid			
Color:	Amber colored			
· Odor:	Characteristic			
· Change in condition				
Melting point:	Undetermined.			
Boiling point:	Undetermined.			
· Flash point:	> 149 °C (> 300 °F)			
· Auto igniting:	Product is not selfigniting.			
· Danger of explosion:	Product does not present an explosion hazard.			
· Specific gravity:	1.054			
· Solubility in / Miscibility with				
Water:	Not miscible or difficult to mix.			
· Solvent content:				
Organic solvents:	0.0 %			
VOC (Per EPA 24)	N/A GMS/L			
Solids content:	97.0 %			
• Other information	No further relevant information available.			

10 Stability and reactivity

- · Reactivity
- · 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: Reacts with oxidizing agents.

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Safety Data Sheet acc. to OSHA HCS

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Trade name: 53655 (Hardman Epoweld 3655 Part B)

· Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · Primary irritant effect:
- \cdot on the skin: Irritant to skin and mucous membranes.
- \cdot on the eye: Strong irritant with the danger of severe eye injury.
- Sensitization: Skin Contact Sensitization possible through skin contact.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

· Toxicity

- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes: At present there are no ecotoxicological assessments.
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation: Must be specially treated adhering to official regulations.
- · Uncleaned packagings:
- · Recommendation:

Disposal must be made according to official regulations.

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 Transport information

· UN-Number

· DOT, ADR, ADN, IMDG, IATA

Void

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· UN proper shipping name · DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT · Class	Void Non-Hazardous
· ADR, IMDG, IATA · Class · ADN/R Class:	Void Not Regulated Void
· Packing group · DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex MARPOL73/78 and the IBC Code	: II of Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN ''Model Regulation'':	-

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture · 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 components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity:

None of the ingredients is listed.

· (DSL) Canada Dosmestic Substance List

All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients listed.

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· MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

• *GHS label elements* The product is classified and labelled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



· Signal word Danger

· Hazard-determining components of labelling: Polyamide *Triethylenetetramine* Hazard statements Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. · Precautionary statements If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Avoid breathing dust/fume/gas/mist/vapours/spray. 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. Specific treatment (see on this label). Dispose of contents/container in accordance with local/regional/national/international regulations.

• National regulations:

- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS, Royal Adhesives & Sealants makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Royal Adhesives & Sealants or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the MSDS.

· Department issuing MSDS: Environment protection department.

• Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organization

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Safety Data Sheet acc. to OSHA HCS

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(Contd. of page 7) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods	
DOT: US Department of Transportation	
IATA: International Air Transport Association	
ACGIH: American Conference of Governmental Industrial Hygienists	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	