#### Conforms to USDOL OSHA 29CFR 1910.1200 HAZCOM

# SAFETY DATA SHEET

Easy-On® Speed Starch - Crisp Linen Scent



# 1. Product and company identification

Product name	: Easy-On® Speed Starch - Crisp Linen Scent
Distributed by	: Reckitt Benckiser LLC. Morris Corporate Center IV 399 Interpace Parkway (P.O. Box 225) Parsippany, New Jersey 07054-0225 +1 973 404 2600
	Reckitt Benckiser (Canada) Inc. 1680 Tech Avenue, Unit #2 Mississauga, Ontario L4W 5S9 CANADA Telephone: +1 905 283 7000
Emergency telephone number (Medical)	: 1-800-338-6167
Emergency telephone number (Transport)	: 1-800-424-9300 (U.S. & Canada) CHEMTREC Outside U.S. and Canada (North America), call Chemtrec:703-527-3887
Website:	: http://www.rbnainfo.com

Product use : Ironing aid aerosol

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

SDS #	:	D0060043 v.3
Formulation #:	1	#0059747 v3.0
UPC Code / Sizes	:	20 oz. Aerosol Can

# 2. Hazards identification Classification of the substance or mixture : FLAMMABLE AEROSOLS - Category 1 GASES UNDER PRESSURE - Compressed gas

#### **GHS label elements**

SDS # :

# 2. Hazards identification

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Hazard pictograms



Signal word	Danger	
Hazard statements	Extremely flammable aerosol. Contains gas under pressure; may explode if heated.	
Precautionary statements		
General	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.	
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.	
Response	Not applicable.	
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50 $^{\circ}$ C/122 $^{\circ}$ F. Store in a well-ventilated place.	n
Disposal	Not applicable.	
Supplemental label elements	None known.	
Hazards not otherwise classified	None known.	

# 3. Composition/information on ingredients

: Mixture

Ingredient name	%	CAS number
	2.5 - 5 0.1 - 1	75-28-5 1303-96-4

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

# 4. First aid measures

Substance/mixture

Description of necess	<u>ary first aid measures</u>
Eye contact	<ul> <li>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.</li> </ul>
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

## 4. First aid measures

Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

#### Most important symptoms/effects, acute and delayed Potential acute health effects Eye contact : May cause eye irritation upon direct contact with eyes. Inhalation : No known significant effects or critical hazards. Skin contact : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards. Over-exposure signs/symptoms : Adverse symptoms may include the following: Eye contact irritation redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing **Skin contact** : No specific data. Ingestion : No specific data. Indication of immediate medical attention and special treatment needed, if necessary Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Specific treatments : No specific treatment.

See toxicological information (Section 11)

Protection of first-aiders

# 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: Extremely flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

# 5. Fire-fighting measures

Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	o action shall be taken involving any personal risk or without suitable training vacuate surrounding areas. Keep unnecessary and unprotected personnel fintering. In the case of aerosols being ruptured, care should be taken due to scape of the pressurized contents and propellant. If a large number of containptured, treat as a bulk material spillage according to the instructions in the clection. Do not touch or walk through spilled material. Shut off all ignition sources, smoking or flames in hazard area. Avoid breathing vapor or mist. Providequate ventilation. Wear appropriate respirator when ventilation is inadequate appropriate personal protective equipment.	rom the rapid iners are lean-up irces. No ride
For emergency responders	specialized clothing is required to deal with the spillage, take note of any info ection 8 on suitable and unsuitable materials. See also the information in "Fo mergency personnel".	
Environmental precautions	void dispersal of spilled material and runoff and contact with soil, waterways, nd sewers. Inform the relevant authorities if the product has caused environr ollution (sewers, waterways, soil or air).	
Methods and materials for co	ment and cleaning up	
Small spill	top leak if without risk. Move containers from spill area. Use spark-proof too kplosion-proof equipment. Dilute with water and mop up if water-soluble. Alt if water-insoluble, absorb with an inert dry material and place in an appropri sposal container. Dispose of via a licensed waste disposal contractor.	ernatively,
Large spill	top leak if without risk. Move containers from spill area. Use spark-proof too colorisation of equipment. Approach release from upwind. Prevent entry inter- ater courses, basements or confined areas. Wash spillages into an effluent ant or proceed as follows. Contain and collect spillage with non-combustible poorbent material e.g. sand, earth, vermiculite or diatomaceous earth and pla pontainer for disposal according to local regulations (see Section 13). Dispose censed waste disposal contractor. Contaminated absorbent material may po ame hazard as the spilled product. Note: see Section 1 for emergency conta formation and Section 13 for waste disposal.	o sewers, treatment ace in e of via a se the

SDS # :

# 7. Handling and storage

### Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination.

# 8. Exposure controls/personal protection

#### **Control**

#### **Occupational exposure limits**

Ingredient name		Exposure limits
isobutane		NIOSH REL (United States, 10/2013). TWA: 800 ppm 10 hours. TWA: 1900 mg/m <sup>3</sup> 10 hours. ACGIH TLV (United States, 3/2015). STEL: 1000 ppm 15 minutes.
		OSHA PEL 1989 (United States, 3/1989). TWA: 10 mg/m <sup>3</sup> 8 hours. NIOSH REL (United States, 10/2013). TWA: 5 mg/m <sup>3</sup> 10 hours. ACGIH TLV (United States, 4/2014). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction STEL: 6 mg/m <sup>3</sup> 15 minutes. Form: Inhalable fraction
Appropriate engineering controls	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.	
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.	
Individual protection measure	<u>95</u>	
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.	

# 8. Exposure controls/personal protection

Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	<ul> <li>Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.</li> </ul>

# 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid. [Aerosol.]
Color	: Not available.
Odor	: Lavender
Odor threshold	Not available.
pH	10.3 [Conc. (% w/w): 100%]
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: Not available.
Solubility	: Not available.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Code # : FF0059747 (D0060043) NA	<b>SDS #</b> : D0060043 v.3 <b>Date of issue</b> : 14/03/2017

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# 9. Physical and chemical properties

Viscosity	: Not available.
Flow time (ISO 2431)	: Not available.
Aerosol product	
Type of aerosol	: Spray
Heat of combustion	: 1.813 kJ/g

# 10. Stability and reactivity

: No specific test data related to reactivity available for this product or its ingredients.
: The product is stable.
: Under normal conditions of storage and use, hazardous reactions will not occur.
: Avoid all possible sources of ignition (spark or flame).
: No specific data.
: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# 11. Toxicological information

## Information on toxicological effects

## Acute toxicity

Code #

: FF0059747

(D0060043) NA

Product/ingredient name	Result	Species	Dose	Exposure
isobutane	LC50 Inhalation Vapor	Rat	658000 mg/m <sup>3</sup>	4 hours
disodium tetraborate	LD50 Oral	Rat	2660 mg/kg	-
decahydrate				
Conclusion/Summary	: Based on available data, the	e classification crite	eria are not met.	
Irritation/Corrosion				
Not available.				
Conclusion/Summary				
Skin	: Based on available data, the	e classification crite	eria are not met.	
Eyes	: Based on available data, the	e classification crite	eria are not met.	
Respiratory	: Based on available data, the	e classification crite	eria are not met.	
Sensitization				
Not available.				
Conclusion/Summary				
Skin	: Based on available data, the	e classification crite	eria are not met	
Respiratory	: Based on available data, the			
Mutagenicity				
Not available.				
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Conclusion/Summary	: Based on available data, the	e classification crite	eria are not met.	
Carcinogenicity				
Not available.				
Conclusion/Summary	: Based on available data, the	e classification crite	eria are not met.	
Reproductive toxicity				

# **11. Toxicological information**

Not available.

Conclusion/Summary	. :	Based on available data	. the classification	criteria are not met.
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#### **Teratogenicity**

Not available.

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available.

## Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

# Information on the likely : Not available. routes of exposure

(D0060043) NA

Potential acute health effects	<u>S</u>
Eye contact	: May cause eye irritation upon direct contact with eyes.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: irritation redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: No specific data.
Ingestion	: No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure **Potential immediate** : Not available. effects Potential delayed effects : Not available. Long term exposure **Potential immediate** : Not available. effects Potential delayed effects : Not available. **Potential chronic health effects** Not available. **Conclusion/Summary** : Based on available data, the classification criteria are not met. General : No known significant effects or critical hazards. Code # SDS # : D0060043 v.3 : FF0059747 Date of issue : 14/03/2017

# **11. Toxicological information**

Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

#### Numerical measures of toxicity

Acute toxicity estimates Not available.

Not available.

# **12. Ecological information**

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
disodium tetraborate decahydrate	Acute EC50 1645 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
isobutane	2.8	-	low

#### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

#### Other adverse effects : No known significant effects or critical hazards.

# 13. Disposal considerations

**Disposal methods** 

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

14. Transpor Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	UN1950	Aerosols	2.1	-	PLANARE GAS	Packaging instructionPassenger aircraft Quantity limitation: 7 kgCargo aircraft Quantity limitation: 150 kgSpecial provisions N82
TDG Classification	UN1950	AEROSOLS	2.1	-		Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2. 17 (Class 2). Explosive Limit and Limited Quantity Index 1 Passenger Carrying Road or Rail Index 75
Mexico Classification	UN1950	AEROSOLES	2.1	-	2	<b>Special provisions</b> 63, 190, 277, 327, 34
IMDG Class	UN1950	AEROSOLS	2.1	-		Emergency schedules (EmS) F-D, S-U Special provisions 63, 190, 277, 327, 344, 959

#### D0060043 v.3 14. Transport information **IATA-DGR Class** UN1950 Aerosols, flammable 2.1 Passenger and Cargo Aircraft Quantity limitation: 75 kg Packaging instructions: 203 Cargo Aircraft Only Quantity limitation: 150 kg Packaging instructions: 203 Limited Quantities -Passenger Aircraft Quantity limitation: 30 kg Packaging instructions: Y203 Special provisions A145, A167, A802 **Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. PG\* : Packing group 15. Regulatory information **U.S. Federal regulations** : TSCA 8(a) PAIR: pentane TSCA 8(a) CDR Exempt/Partial exemption: Not determined United States inventory (TSCA 8b): Not determined. Clean Water Act (CWA) 311: ammonia Clean Air Act (CAA) 112 regulated flammable substances: isobutane Clean Air Act Section 112 : Not listed (b) Hazardous Air **Pollutants (HAPs)** Clean Air Act Section 602 : Not listed **Class I Substances** Clean Air Act Section 602 : Not listed **Class II Substances DEA List I Chemicals** : Not listed (Precursor Chemicals) **DEA List II Chemicals** : Not listed (Essential Chemicals) SARA 302/304 Composition/information on ingredients No products were found.

SDS #

# 15. Regulatory information

#### SARA 304 RQ

: Not applicable.

SARA 311/312 Classification

: Fire hazard

Sudden release of pressure

#### **Composition/information on ingredients**

Name	%	Fire hazard	Sudden release of pressure		(acute) health	Delayed (chronic) health hazard
isobutane disodium tetraborate decahydrate		Yes. No.		No. No.	No. No.	No. Yes.

#### **State regulations**

otate regulations						
Massachusetts	: The following components are listed: ISOBUTANE					
New York	: None of the components are listed.					
New Jersey	: The following components are listed: Isobutane; PROPANE, 2-METHYL-					
Pennsylvania	: The following components are listed: PROPANE, 2-METHYL-					
<u>Canada</u>						
WHMIS (Canada)	: Class B-5: Flammable aerosol.					
<u>Canadian lists</u>						
Canadian NPRI	: The following components are listed: Butane (all isomers)					
CEPA Toxic substances	: None of the components are listed.					
Canada inventory	: Not determined.					
Label elements						
Signal word	: CAUTION					
Hazard statements	: CONTENTS UNDER PRESSURE.					
Precautionary measures	: Keep out of the reach of children. Keep away from heat, sparks and flame. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120 °F. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.					

# 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	0
Flammability		1
Physical hazards		0
Personal protection		A

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# 16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

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National Fire Protection Association (U.S.A.)



#### NFPA (30B) aerosol Flammability Level 1

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
Date of issue	: 14/03/2017
Date of previous issue	: 11/12/2014.
Version	: 3
Prepared by	: Reckitt Benckiser LLC. Product Safety Department 1 Philips Parkway Montvale, New Jersey 07646-1810 USA. FAX: 201-476-7770
Revision comments	: Update to add compressed gas cylinder pictogram on section 2.

Indicates information that has changed from previously issued version.

Notice to reader

**SDS #** : [

# 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



RB is a member of the CSPA Product Care Product Stewardship Program.