

RED BARON HOT MELT SYSTEM CLEANER

SAFETY DATA SHEET

SECTION 1

IDENTIFICATION

Red Baron Hot Melt System Cleaner
Part Numbers: RB-1, RB-5, RB-55

Manufacturer:
Keystone Industries, Inc.
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Recommended Use: This product is recommended for use in cleaning hot melt systems.

SECTION 2

HAZARD(S) IDENTIFICATION

Non-hazardous.

SECTION 3

COMPOSITION/ INFORMATION ON INGREDIENTS

The components of this product comprise proprietary information.

SECTION 4

FIRST AID MEASURES

EYE EXPOSURE: Flush with copious quantities of clean, cool water for 15 minutes. Get the victim to a physician, preferably an ophthalmologist, for evaluation. In the event of contact with hot liquid, get exposed individual to an emergency room immediately.

SKIN EXPOSURE: Treat for burns if contacted at high temperature. Remove and wash contaminated clothing. See a physician if irritation occurs.

INHALATION: Remove to fresh air. If necessary, perform artificial respiration or administer oxygen.

SECTION 5

FIRE AND EXPLOSION INFORMATION

Flash Point: 640° F
Extinguishing Media: Carbon dioxide, foam, dry chemical.
Special Firefighting Procedures: None

SECTION 6**ACCIDENTAL RELEASE INFORMATION**

IMPORTANT: Before responding to a spill or leak of this product, review each section of this SDS. Follow the recommendations given in the Handling and Storage Section. Check the Fire and Explosion Information section to determine if the use of non-sparking tools is merited. Insure that spilled or leaked product does not come into contact with materials listed as incompatible. If irritating fumes are present, consider evacuation of closed areas.

Spills: Initially minimize area affected by the spill or leak. Block any potential routes to water systems (e.g. sewers, streams, lakes, etc.). Determine if federal, state, and/or local release notification is required. Recover as much of the pure product as possible into appropriate containers. Spill or leak residuals may have to be collected and disposed of. Clay, soil, or commercially available absorbents may be used to recover any material that cannot readily be recovered as pure product. If product and/or spill residuals are flushed to an industrial sewer make sure that they do not come into contact with incompatible materials. Contact the persons responsible for the operation of your facility's industrial sewer system prior to intentionally flushing or pumping spills or leaks of this product to the industrial sewer.

SECTION 7**HANDLING AND STORAGE**

This product, when used with hot melt equipment is very hot and has the ability to cause burns when put into contact with skin. It is recommended that individuals using this product should wear safety goggles, closed toe work shoes, long sleeve shirts, long pants and heat & liquid resistant gloves.

Danger of contact burns due to high use temperatures. Eye-wash fountains in the workplace are strongly recommended. Local exhaust ventilation is recommended to keep exposure to vapors within limits.

This product should be stored in a durable, spill or leak proof container.

SECTION 8**EXPOSURE CONTROL/PERSONAL PROTECTION**

Employers should perform hazard assessments of individual work environments to determine specific Permissible Exposure Limits (PELs); Threshold Limit Values (TLVs); appropriate engineering controls; and personal protective equipment (PPE).

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SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear red liquid	Flash Point:	640° F
Odor:	Slight	Boiling Point:	Above 640° F
Density (g/ml):	0.86 g/ml	Solubility:	Insoluble in water.

SECTION 10**STABILITY AND REACTIVITY**

Stability: Stable
Incompatibilities: Avoid strong acids or strong oxidizers
Hazardous Decomposition Products: None

SECTION 11**TOXICOLOGY INFORMATION****Acute Effects:**

Acute Oral LD50: > 5000 mg/kg

Acute Dermal LD50: > 5000 mg/kg

Irritant Effects: The only irritant effects expected would be due to the temperature of use. Nonirritating at room temperature

Sensitization Effects: None expected.

Carcinogenic Potential: Not listed in any of OSHA Standard, Section 1910.1200 as carcinogenic. Not tested by Keystone Industries, Inc.®

Other Health Effects: The effects of chronic exposure to this product have not been fully evaluated, but are expected to be minimal.

SECTION 12**ECOLOGICAL INFORMATION**

At the time of publication, there have been no studies performed to evaluate the environmental impact of this product if it were released into the environment.

SECTION 13**DISPOSAL CONSIDERATION**

This product is considered non-hazardous and spill or leak residuals may safely be handled by a licensed landfill or other waste treatment handler as non-hazardous waste. Contact local and state authorities to determine appropriate disposal procedure.

Container Disposal: Empty containers, as defined by appropriate sections of RCRA are not RCRA hazardous wastes. However, insure proper handling of the containers.

SECTION 14**TRANSPORT INFORMATION**

This product should be shipped in a durable, spill or leak proof container. Shipment containers should be durable and labeled as containing liquid. See individual freight carries for specific requirements when shipping liquids.

SECTION 15**REGULATORY INFORMATION**

DOT Shipping:	Proper Shipping Label: Non-hazardous.
FIFRA:	(Federal Insecticide, Fungicide and Rodenticide Act): This product is not a registered pesticide.
TSCA Inventory:	All components are listed in the inventory.
FDA Regulations:	Conforms with FDA Regulations 21 CFR 175.105, 176.170, 176.210.
SARA 302:	Extremely Hazardous Substances List (40CFR 300): No components of this product are listed.
SARA 313:	Toxic Chemicals List: No components of this product are listed.
CERCLA:	Comprehensive Environmental Response, Compensation and Liability Act: No components of this product are listed.
RCRA:	Resource Conservation and Recovery Act: No components of this product are listed.
CWA:	Clean Water Act, 40 CFR 401.45: No components of this product are listed.
HMIS/NPCA:	Ratings: Health 0; Flammability 1; Reactivity 1
NFPA:	Ratings: Health 0; Flammability 1; Reactivity 1

SECTION 16**OTHER INFORMATION**

REVISED 07/2015

The information on this Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling characteristics of this product under the recommended conditions of use. Any use of this product or method or application which is not described in the Product Data Sheet is the responsibility of the user. This Safety Data Sheet was prepared to comply with the OSHA Hazard Communication regulations.

Keystone Industries, Inc.® warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions.

Seller makes no other warranty or representation of any kind, express or implied, concerning this product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way.

The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort.



RED BARON

HOT MELT CLEANING COMPOUND

RED BARON is a totally organic, non-hazardous, non-toxic, non-corrosive FDA approved cleaning material specially formulated for cleaning hot melt application equipment. It may be used with EVA, Polyolefin, Arcylic, Polyamide and rubber based adhesives for:

- Routine Maintenance and Cleaning
- Purging charred and degraded adhesives
- Changing out adhesives
- Helping maintain good equipment operations, including preventing nozzle clogging, hose constrictions and poor pump stroke.

Using **RED BARON** on a routine basis will help reduce degradation in difficult to clean places, improve heat transfer efficiency, and result in longer equipment life. **RED BARON** may also be used to clean nozzles and filters separately.

USE RED BARON:

- When filters show evidence of charring
- When nozzles begin to plug
- When changing adhesives.
- During routine cleanups and shutdowns

RECOMMENDED CLEANOUT PROCEDURE:

1. Drain system of all adhesive and fill with **RED BARON**.
2. Heat the system to normal operating temperature (300 to 375°F). **DO NOT EXCEED RECOMMENDED TEMPERATURES**. Additional heating will not improve the cleaning performance.
3. When operating temperature is reached, begin re-circulating the system until the reservoir is clean and char is broken down.
4. After sufficient re-circulation, empty the contents of the reservoir into a safe container. While the components of **RED BARON** are not toxic, some of the materials removed may be.
5. Once the system is drained, scrape away any remaining char with the appropriate tools.
6. Add new adhesive, and discard the first few minutes of adhesive output. Resume production.

RED BARON conforms will all FDA regulations for requirements of indirect food additives and for manufacturing of paper and paperboard products.

AVOID OPEN FLAMES WHEN OPERATING. DO NOT EXCEED THE RECOMMENDED TEMPERATURES. Keep reservoir covered when in use to minimize odor. USE IN A WELL VENTILATED AREA.

RED BARON is completely biodegradable, non-toxic, and non-corrosive. However, be environmentally aware and dispose of **RED BARON** properly when you are finished using it.