



SAFETY DATA SHEET

SECTION 1 — IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Formula B.R. (Blood Remover)
Product Number: 1039, 1040
CAS No. Mixture
EINECS No. Mixture
REACH Registration No. None assigned

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s) Protein stain spotting agent
Uses advised against: None known

Preparation Date: June 2000 **Revision Date:** May 2, 2014

1.3 Details of the supplier of the Safety Data Sheet:

ALBATROSS USA INC./EXPERT WORLDWIDE

36-41 36th Street
Long Island City, New York
United States
11106
718-392-6272

5439 San Fernando Road West
Los Angeles, California
United States
90039
818-543-5850

1.4 **Emergency Telephone #:** Chemtrec (Day or Night) 800-424-9300 (For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

IMPORTANT: Read this MSDS before handling and disposing of this product. Pass this information on to employees, customers, and users of this product.

SECTION 2 — HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008 (CLP)

Skin Irrit. 2; Causes skin irritation
Eye Dam. 1; Causes serious eye damage

2.1.2 Directive 67/548/EEC & Directive 1999/45/EC

Not classified as dangerous for supply//use

2.2 Label elements

Product Name

According to Regulation (EC) No. 1272/2008 (CLP)
Formula B.R.

Hazard Pictogram



GHS05

Signal word(s)
Hazard statement(s)

Danger
H315: Causes skin irritation
H318: Causes serious eye damage

Precautionary statement(s)

P280: Wear protective gloves/protective clothing/
Eye protection/face protection
P310: Immediately call a POISON CENTER/doctor
P302+P352: IF ON SKIN: Wash with plenty of water
P332+P313: If skin irritation occurs: Get medical
advice/attention
P362+P364: Take off contaminated clothing and wash
it before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with
water for several minutes. Removing contact lenses, if
present and easy to do. Continue rinsing.

2.3 Other hazards

None

2.4 Additional information

None

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous Ingredients	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Ammonia, aqueous solution	<5	1336-21-6	215-647-6	None assigned	GHS05, Skin Corr.1B; H314, Aquatic Acute 1; H400
Amides, coco, N,N-bis (hydroxyethyl)	<1	68603-42-9	271-657-0	None assigned	GHS07, Skin Irrit. 2; H315, Eye Irrit. 2; H319
Sodium dodecyl sulphate	<1	151-21-3	205-788-1	None assigned	GHS02, Flam. Sol. 2; H228, GHS05, Eye Dam. 1; H318, GHS07, Acute Tox. 4; H302, H332, Skin Irrit. 2; H315, STAT SE 3; H335, Aquatic Chronic 3; H412

EC Classification No. 67/548/EEC

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Ammonia, aqueous solution	<5	1336-21-6	215-647-6	None assigned	C; R34, N; R50
Amides, coco, N,N-bis (hydroxyethyl)	<1	68603-42-9	271-657-0	None assigned	XI; R36/38
Sodium dodecyl sulphate	<1	151-21-3	205-788-1	None assigned	F; R11, Xn; R20/22, XI; R37/38, R41

3.2 Additional Information

For full text of H/P phrases see section 16

SECTION 4 — FIRE AID MEASURES**4.1 Description of first aid measures**

Inhalation

Remove persons affected by vapour to fresh air.

Skin Contact

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact

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/doctor.

Ingestion

Wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: Causes skin irritation

4.3 Indications of any immediate medical attention and special treatment needed

Eye contact: Causes serious eye damage

Unlikely to be required but if necessary treat symptomatically

SECTION 5 — FIRE-FIGHTING MEASURES**5.1.1 Extinguishing Media**

Suitable Extinguishing Media

Use water spray, foam, dry powder or CO2 to extinguish

Unsuitable Extinguishing Media

None known

5.2 Special hazards arising from the substance or mixture

None known

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus

SECTION 6 — ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Avoid contact with skin and eyes. Wear suitable eye/face protection.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Contain spillages with sand, earth or any suitable adsorbant material. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section 8, 13

SECTION 7 — HANDLING AND STORAGE**7.1 Precautions for safe handling**

Provide adequate ventilation. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage Temperature

Ambient

Storage Life

Stable under normal conditions

Incompatible materials

None known

7.3 Specific end use(s)

Protein stain spotting agent

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr. TWA ppm)	LTEL (8 hr. TWA mg/m3)	STEL (ppm)	Note
None assigned					

8.1.2 Biological limit value

Not established

8.1.3 PNECs and DNELs

Not established

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation

8.2.2 Personal protection equipment

Eye/face protection

Wear eye protection with side protection (EN166)



Skin protection (Hand protection/Other)

Wear protective gloves



Respiratory protection

Normally no personal respiratory protection is necessary. Handling of larger amounts: A suitable mask with filter type A (EN14387 or EN405) may be appropriate



Thermal hazards

Not applicable

8.2.3 Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**9.1.1 Information on basic physical and chemical properties**

Appearance

Liquid

Color

Blue tint

Odor

Mild ammonia

Odor Threshold

Not established

pH

10 @ 20°C

Melting Point/Freezing Point	-10 -0° C
Initial boiling point and boiling range	100°C
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limits	Not applicable
Vapor pressure	Not available
Vapor density	Not available
Relative density	Not available
Density	1.0 @ 20° C
Solubility(ies)	Soluble in water
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing
9.1.2 Other information	
Solvent content	95% (water)

SECTION 10— PHYSICAL AND CHEMICAL PROPERTIES

10.1 Reactivity	Stable under normal conditions
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	Stable under normal conditions
10.4 Conditions to avoid	None known
10.5 Incompatible materials	None known
10.6 Hazardous Decomposition Product(s)	None known

SECTION 11— TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
11.1.1 Mixtures	
Acute toxicity	Low acute toxicity
Irritation	Skin irrit.2; Causes skin irritation
Corrosivity	Eye Dam. 1; Causes serious eye damage
Sensitisation	It is not a skin sanitizer
Repeated dose toxicity	Not classified
Carcinogenicity	No evidence of carcinogenicity
Mutagenicity	There is no evidence of mutagenic potential
Toxicity for reproduction	None anticipated
11.2 Other information	None

SECTION 12— ECOLOGICAL INFORMATION

12.1 Toxicity	Low toxicity to aquatic organisms
12.2 Persistence and degradability	No information available
12.3 Bioaccumulative potential	No information available
12.4 Mobility in soil	Soluble in water. The product is predicted to have high mobility in soil.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB
12.6 Other adverse effects	None

SECTION 13— DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose at suitable refuse site
13.2	Additional information	Disposal should be in accordance with local, state or National legislation.

SECTION 14— TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	UN number	Not applicable
14.2	UN Proper Shipping Name	Not applicable
14.3	Transport hazard class(es)	Not applicable
14.4	Packing Group	Not applicable
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	Not applicable
14.7	Transport in bulk according to Annex II MARPOL73/78 and the IBC code	Not applicable

SECTION 15— REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorizations and/or restrictions on use	
	Candidate List of Substances of Very High Concern for Authorization	All chemicals are not listed
	REACH: ANNEX XIV List of substances subject to authorization	All chemicals are not listed
	REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Community Rolling Action Plan (CoRAP); Draft 04/11/2013	All chemicals are not listed
15.1.2	National regulations	None known
15.2	Chemical Safety Assessment	Not available

SECTION 16— OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Flam. Sol. 2	Flammable solid Category 2
Acute Tox. 4	Acute toxicity Category 4

Formula BR	
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Eye Dam. 1	Serious eye damage/irritation Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity – single exposure Category 3
Aquatic Acute 1	Hazardous to the aquatic environment Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment Category 3
C	Corrosive
F	Flammable
N	Dangerous for the environment
Xn	Harmful
Xi	Irritant







Risk Phrases

R11	Highly flammable
R34	Causes burns
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms
R20/22	Harmful by inhalation and if swallowed
R36/38	Irritating to eyes and skin

Hazard statement(s) and Precautionary Statement(s)

H228	Flammable solid
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects
P264	Wash thoroughly after handling

Hazard pictogram(s) and Hazard Symbol

					
GHS02		F			
GHS05		N			
		Xi			

GHS07



Xn



GHS09

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Annex to the extended Safety Data Sheet (eSDS)

No information available