



# Stress Coat

Chemwatch Material Safety Data Sheet (REVIEW)  
Nov-5-2012  
B293LP

Hazard Alert Code: MODERATE

CHEMWATCH 33-4737  
Version No:2.1.1.1  
Page 1 of 9

## Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

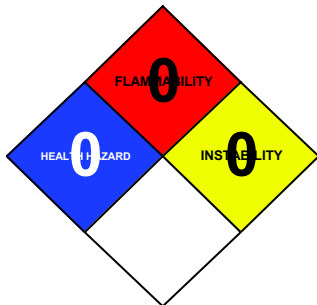
### PRODUCT NAME

Stress Coat

### STATEMENT OF HAZARDOUS NATURE

**CONSIDERED A HAZARDOUS SUBSTANCE ACCORDING TO OSHA 29 CFR 1910.1200.**

### NFPA



### SUPPLIER

Company: Mars Fishcare North America, Inc.  
Address:  
50 E. Hamilton Street  
Chalfont, PA 18914  
United States of America  
Telephone: 215- 822- 8181  
Fax: 215- 997- 1290

### PRODUCT USE

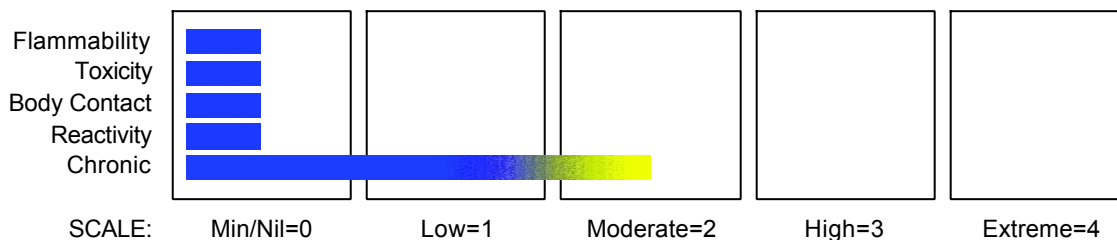
For product 85.

### SYNONYMS

"Solution ID# RM000184", "Bio Protect (until 2012)"

## Section 2 - HAZARDS IDENTIFICATION

### HAZARD RATINGS



# Stress Coat

Hazard Alert Code: MODERATE

Chemwatch Material Safety Data Sheet (REVIEW)

Nov-5-2012

B293LP

CHEMWATCH 33-4737

Version No:2.1.1.1

Page 2 of 9

Section 2 - HAZARDS IDENTIFICATION

## CANADIAN WHMIS SYMBOLS



## EMERGENCY OVERVIEW

### RISK

Cumulative effects may result following exposure\*.

\* (limited evidence).

## POTENTIAL HEALTH EFFECTS

### ACUTE HEALTH EFFECTS

#### SWALLOWED

■ The material has NOT been classified as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. The material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g. liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality (death) rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, unintentional ingestion is not thought to be cause for concern.

#### EYE

■ Although the liquid is not thought to be an irritant, direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn).

#### SKIN

- The material is not thought to produce adverse health effects or skin irritation following contact (as classified using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.
- Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

#### INHALED

■ The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

## CHRONIC HEALTH EFFECTS

The material may accumulate in the human body and progressively cause tissue damage.

Extended use of purgatives and laxatives can cause a profuse, watery diarrhea with severe dehydration, mineral losses, weakness and weight loss. Absorption from the bowel may become impaired and damage to the heart and kidneys can also occur.

continued...

# Stress Coat

Hazard Alert Code: MODERATE

Chemwatch Material Safety Data Sheet (REVIEW)

Nov-5-2012

B293LP

CHEMWATCH 33-4737

Version No:2.1.1.1

Page 3 of 9

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS RN	%
Aloes, extract	85507-69-3	1-10
non hazardous ingredients, proprietary		1-10
water	7732-18-5	>80

## Section 4 - FIRST AID MEASURES

### SWALLOWED

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact a Poisons Information Center or a doctor.

### EYE

- If this product comes in contact with eyes:
  - Wash out immediately with water.
  - If irritation continues, seek medical attention.
  - Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

### SKIN

- If skin or hair contact occurs:
  - Flush skin and hair with running water (and soap if available).
  - Seek medical attention in event of irritation.

### INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Other measures are usually unnecessary.

### NOTES TO PHYSICIAN

Treat symptomatically.

## Section 5 - FIRE FIGHTING MEASURES

Vapour Pressure (mmHg): Not Available  
Upper Explosive Limit (%): Not Applicable  
Specific Gravity (water=1): 1.013  
Lower Explosive Limit (%): Not Applicable

### EXTINGUISHING MEDIA

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

### FIRE FIGHTING

- Alert Emergency Responders and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves for fire only.
- Prevent, by any means available, spillage from entering drains or water course.
- Use fire fighting procedures suitable for surrounding area.
- Do not approach containers suspected to be hot.
- Cool fire exposed containers with water spray from a protected location.
- If safe to do so, remove containers from path of fire.
- Equipment should be thoroughly decontaminated after use.

continued...

# Stress Coat

Hazard Alert Code: MODERATE

Chemwatch Material Safety Data Sheet (REVIEW)

Nov-5-2012

B293LP

CHEMWATCH 33-4737

Version No:2.1.1.1

Page 4 of 9

Section 5 - FIRE FIGHTING MEASURES

## GENERAL FIRE HAZARDS/HAZARDOUS COMBUSTIBLE PRODUCTS

- Non combustible.
- Not considered to be a significant fire risk, however containers may burn. May emit poisonous fumes.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### MINOR SPILLS

- Clean up all spills immediately.
- Avoid breathing vapors and contact with skin and eyes.
- Control personal contact by using protective equipment.
- Contain and absorb spill with sand, earth, inert material or vermiculite.
- Wipe up.
- Place in a suitable labeled container for waste disposal.

### MAJOR SPILLS

Moderate hazard.

- Clear area of personnel and move upwind.
- Alert Emergency Responders and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water course.
- Stop leak if safe to do so.
- Contain spill with sand, earth or vermiculite.
- Collect recoverable product into labeled containers for recycling.
- Neutralize/decontaminate residue.
- Collect solid residues and seal in labeled drums for disposal.
- Wash area and prevent runoff into drains.
- After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.
- If contamination of drains or waterways occurs, advise emergency services.

## Section 7 - HANDLING AND STORAGE

### PROCEDURE FOR HANDLING

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.
- DO NOT enter confined spaces until atmosphere has been checked.
- DO NOT allow material to contact humans, exposed food or food utensils.
- Avoid contact with incompatible materials.
- When handling, DO NOT eat, drink or smoke.
- Keep containers securely sealed when not in use.
- Avoid physical damage to containers.
- Always wash hands with soap and water after handling.
- Work clothes should be laundered separately.
- Launder contaminated clothing before re-use.

continued...

# Stress Coat

Hazard Alert Code: MODERATE

Chemwatch Material Safety Data Sheet (REVIEW)

Nov-5-2012

B293LP

CHEMWATCH 33-4737

Version No:2.1.1.1

Page 5 of 9

Section 7 - HANDLING AND STORAGE

- Use good occupational work practice.
- Observe manufacturer's storing and handling recommendations.
- Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.

## RECOMMENDED STORAGE METHODS

- Polyethylene or polypropylene container.
- Packing as recommended by manufacturer
- Check all containers are clearly labeled and free from leaks.

## STORAGE REQUIREMENTS

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage and check regularly for leaks.
- Observe manufacturer's storing and handling recommendations.

## SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS



+



+



+



+



X



+

+: *May be stored together*

O: *May be stored together with specific preventions*

X: *Must not be stored together*

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE CONTROLS

The following materials had no OELs on our records

• Aloes, extract:

CAS:85507- 69- 3 CAS:94349- 62- 9

• water:

CAS:7732- 18- 5

### MATERIAL DATA

STRESS COAT:

Not available

WATER:

No exposure limits set by NOHSC or ACGIH.

### PERSONAL PROTECTION

continued...

# Stress Coat

Hazard Alert Code: MODERATE

Chemwatch Material Safety Data Sheet (REVIEW)

Nov-5-2012

B293LP

CHEMWATCH 33-4737

Version No:2.1.1.1

Page 6 of 9

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION



Consult your EHS staff for recommendations

### EYE

- Safety glasses with side shields
- Chemical goggles.
- Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

### HANDS/FEET

- Wear chemical protective gloves, eg. PVC.
- Wear safety footwear or safety gumboots, eg. Rubber.

### RESPIRATOR

BUTYL	A
NEOPRENE	A
VITON	A
PVA	C
NATURAL RUBBER	C

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required.

Use appropriate NIOSH-certified respirator based on informed professional judgement. In conditions where no reasonable estimate of exposure can be made, assume the exposure is in a concentration IDLH and use NIOSH-certified full face pressure demand SCBA with a minimum service life of 30 minutes, or a combination full facepiece pressure demand SAR with auxiliary self-contained air supply. Respirators provided only for escape from IDLH atmospheres shall be NIOSH-certified for escape from the atmosphere in which they will be used.

### ENGINEERING CONTROLS

- General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear an approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

### PHYSICAL PROPERTIES

Liquid.

Mixes with water.

State

Liquid

Molecular Weight

Not Applicable

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# Stress Coat

Hazard Alert Code: MODERATE

Chemwatch Material Safety Data Sheet (REVIEW)

Nov-5-2012

B293LP

CHEMWATCH 33-4737

Version No:2.1.1.1

Page 7 of 9

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Melting Range (°F)	Not Available	Viscosity	Not Available
Boiling Range (°F)	Not Available	Solubility in water (g/L)	Miscible
Flash Point (°F)	Not Applicable	pH (1% solution)	Not Available
Decomposition Temp (°F)	Not Available	pH (as supplied)	9.5- 9.9
Autoignition Temp (°F)	Not Applicable	Vapour Pressure (mmHg)	Not Available
Upper Explosive Limit (%)	Not Applicable	Specific Gravity (water=1)	1.013
Lower Explosive Limit (%)	Not Applicable	Relative Vapor Density (air=1)	Not Available
Volatile Component (%vol)	Not Available	Evaporation Rate	Not Available

### APPEARANCE

Viscous green liquid with a faint characteristic odour; mixes with water.

## Section 10 - CHEMICAL STABILITY

### CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.
- Product is considered stable.
- Hazardous polymerization will not occur.

### STORAGE INCOMPATIBILITY

- None known.

*For incompatible materials - refer to Section 7 - Handling and Storage.*

## Section 11 - TOXICOLOGICAL INFORMATION

### Stress Coat

#### TOXICITY AND IRRITATION

WATER:

ALOES, EXTRACT:

STRESS COAT:

ALOES, EXTRACT:

TOXICITY

Intraperitoneal (mouse) LD50:250 mg/kg

Aloe barbadensis Mill., extract

IRRITATION

Nil Reported

continued...

# Stress Coat

Hazard Alert Code: MODERATE

Chemwatch Material Safety Data Sheet (REVIEW)

Nov-5-2012

B293LP

CHEMWATCH 33-4737

Version No:2.1.1.1

Page 8 of 9

## Section 12 - ECOLOGICAL INFORMATION

ALOES, EXTRACT:

DO NOT discharge into sewer or waterways.

### Ecotoxicity

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Aloes, extract	No Data Available	No Data Available	No Data Available	No Data Available

## Section 13 - DISPOSAL CONSIDERATIONS

### Disposal Instructions

All waste must be handled in accordance with local, state and federal regulations.

- Recycle wherever possible.
- Consult manufacturer for recycling options or consult Waste Management Authority for disposal if no suitable treatment or disposal facility can be identified.
- Dispose of by: Burial in a licensed land-fill or Incineration in a licensed apparatus (after admixture with suitable combustible material)
- Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

## Section 14 - TRANSPORTATION INFORMATION

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: DOT, IATA, IMDG

## Section 15 - REGULATORY INFORMATION

### REGULATIONS

#### Regulations for ingredients

**Aloes, extract (CAS: 85507-69-3, 94349-62-9) is found on the following regulatory lists;**

"Canada - Alberta Ambient Air Quality Guidelines", "Canada - Alberta Ambient Air Quality Objectives", "Canada - British Columbia Occupational Exposure Limits", "Canada - Ontario Occupational Exposure Limits", "Canada - Quebec Permissible Exposure Values for Airborne Contaminants (English)", "Canada Domestic Substances List (DSL)", "Canada National Pollutant Release Inventory (NPRI)", "International Fragrance Association (IFRA) Survey: Transparency List", "US - California Permissible Exposure Limits for Chemical Contaminants", "US - Michigan Exposure Limits for Air Contaminants", "US - Oregon Permissible Exposure Limits (Z-1)", "US - Tennessee Occupational Exposure Limits - Limits For Air Contaminants", "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants", "US American Cleaning Institute Cleaning Product Ingredient Inventory", "US Clean Air Act (CAA) National Ambient Air Quality Standards (NAAQS)", "US Cosmetic Ingredient Review (CIR) Cosmetic ingredients found safe, with qualifications"

**water (CAS: 7732-18-5) is found on the following regulatory lists;**

"Canada Toxicological Index Service - Workplace Hazardous Materials Information System - WHMIS (English)",

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# Stress Coat

Hazard Alert Code: MODERATE

Chemwatch Material Safety Data Sheet (REVIEW)

Nov-5-2012

B293LP

CHEMWATCH 33-4737

Version No:2.1.1.1

Page 9 of 9

## Section 15 - REGULATORY INFORMATION

"IMO IBC Code Chapter 18: List of products to which the Code does not apply", "International Fragrance Association (IFRA) Survey: Transparency List", "OECD List of High Production Volume (HPV) Chemicals", "OSPAR National List of Candidates for Substitution – Norway", "Sigma-Aldrich Transport Information", "US - Pennsylvania - Hazardous Substance List", "US American Cleaning Institute Cleaning Product Ingredient Inventory", "US DOE Temporary Emergency Exposure Limits (TEELs)", "US FMA Air Freshener Fragrance Ingredient Survey Results", "US NFPA 30B Manufacture and Storage of Aerosol Products - Chemical Heat of Combustion", "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory", "US TSCA Section 8 (a) Inventory Update Rule (IUR) - Partial Exemptions"

No data for Stress Coat (CW: 33-4737)

## Section 16 - OTHER INFORMATION

### LIMITED EVIDENCE

■ Cumulative effects may result following exposure\*.

\* (limited evidence).

### INGREDIENTS WITH MULTIPLE CAS NUMBERS

Ingredient Name	CAS
Aloes, extract	85507-69-3, 94349-62-9

■ Classification of the mixture and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

[www.chemwatch.net/references](http://www.chemwatch.net/references).

■ For detailed advice on Personal Protective Equipment, refer to the following U.S. Regulations and Standards:

OSHA Standards - 29 CFR:

1910.132 - Personal Protective Equipment - General requirements

1910.133 - Eye and face protection

1910.134 - Respiratory Protection

1910.136 - Occupational foot protection

1910.138 - Hand Protection

Eye and face protection - ANSI Z87.1

Foot protection - ANSI Z41

Respirators must be NIOSH approved.

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