

Product Name: 1805 Type BMB

Emergency Phone Number: (330) 336-6616

MATERIAL SAFETY DATA SHEET

Goldsmith & Eggleton

SECTION I - Product Identification

Product Name: 1805 Type BMB

Chemical Name: SBR Black Masterbatch

Chemical Family: Styrene - Butadiene

CAS Number: Multiple as listed by ingredient:

SBR Polymer: 9003-55-8

Carbon Black: 1333-86-4

Process Oil: 61790-12-3

This MSDS Prepared By: Bill Sims

Date: May 21, 2008

SECTION II - Hazardous Components

CAS number OSHA PEL

ACGIH TLV

Other

Ingredients Defined as Hazardous by OSHA, NTP or IARC Present at >1.00%

carbon black *

1333-86-4 3.5mg/m³ 8hour TWA

distilled hydrogenated hydrocarbon mixture, predominantly C₂₀ to C₅₀ naphthenics

64742-52-5 5.0mg/m³ 8hour TWA 5.0mg/m³ 8hour TWA NA

* material is regulated by OSHA as an airborne particulate. In actual practice, the chemical is bound in the rubber matrix., and is unlikely to be released in more than trace quantities.

Ingredients Defined as Carcinogenic by OSHA, NTP or IARC Present at >0.10%

none

Product Name: 1805 Type BMB

Emergency Phone Number: (330) 336-6616

SECTION III - Physical/Chemical Properties

Boiling Point: not applicable

Vapor Pressure (mm Hg): negligible

Vapor Density (air = 1): not applicable

Solubility in water: negligible

Specific Gravity: 1.13 (approximately)

Melt Point: not applicable

Evaporation Rate (butyl acetate = 1) : negligible

Appearance: black rubbery solid

Odor: slight rubber/petroleum odor

SECTION IV - Fire and Explosion Data

Flash Point: not determined

Explosion Limits: not applicable

LEL: not applicable

UEL: not applicable

Extinguishing media: Carbon dioxide or foam preferred.

Special Fire Fighting Procedures: Positive pressure or demand-type respirators, face shields or goggles, balaclavas, coats, gloves and boots are indicated. No skin should be exposed.

Unusual Fire and Explosion Hazards: Material may produce thick sooty smoke while burning. Material may soften and drip or flow slowly in extreme heat, although it will not become a free-flowing liquid. Material may develop a thick ashy crust under certain conditions, which could hinder extinguishing media from reaching seat of fire if crust is not broken away.

SECTION V - Reactivity Data

Stability: Stable

Incompatibilities: Strong oxidizers

Hazardous Decomposition Products: oxides of carbon, oxides of sulphur, some nitrogen products

Hazardous Polymerization: will not occur

Conditions to Avoid: store in cool, dry area

Product Name: 1805 Type BMB

Emergency Phone Number: (330) 336-6616

SECTION VI - Health Hazard Data

Primary Routes of Entry:

Inhalation: unlikely

Skin: common

Ingestion: unlikely

Health Hazards:

Acute: contact dermatitis

Chronic: contact dermatitis

Carcinogenicity: not determined

NTP Report?: no

IARC Monograph?: no

OSHA Regulated?: no

Signs or Symptoms of Exposure: Itching or reddening of skin.

Medical Conditions Generally Aggravated by Exposure: Exposure to material may aggravate pre-existing dermatitis.

Emergency First Aid Procedures:

Skin: Wash with soap and water. See a doctor if irritation develops.

Eyes: Wash eyes with copious amounts of cool water. Prevent rubbing or wiping of eyes. Transport victim to emergency room. Have copy of this document available for medical personnel.

Inhalation: Material cannot be inhaled under ordinary circumstances.

SECTION VII - Precautions for Safe Handling and Use.

Steps to be taken if material is released or spilled: Pick up spilled material. Clean and re-use spilled material or discard as deemed appropriate.

Waste disposal method: Dispose of unwanted material by recycling, landfilling, or other method in accordance with all applicable Federal, State and local ordinances.

Precautions to be taken in handling and storage: No special precautions are needed.

SECTION VIII - Control Measures

Respiration Protection: No special precautions needed.

Ventilation: No special precautions needed.

Protective Gloves: Cotton, canvas or other work gloves

Eye Protection: No special precautions needed.

Other Protective clothing or equipment: No special precautions needed.

Other precautions: Avoid excessive or prolonged exposure to hydrocarbon fumes released at processing temperatures. See Section II for PEL.

Product Name: 1805 Type BMB

Emergency Phone Number: (330) 336-6616

SECTION IX - Emergency and First Aid Procedures

Emergency Phone Number: (330) 336-6616

Ingestion of Material: Ingestion is unlikely to occur under normal circumstances. If it should happen, transport victim to emergency room. Have copy of this document available for medical personnel.

Fire: Evacuate area, and call Fire Department. Have copy of this document available for Fire Department personnel.

Product Name: 1805 Type BMB

Emergency Phone Number: (330) 336-6616

Appendices

Abbreviations

ACGIH - American Council of Governmental Industrial Hygienists

DOT - Department of Transportation

EEC - European Economic Community

EPA - Environmental Protection Agency

IARC - International Agency for Research on Cancer

IDHL - Immediately Dangerous to Health and Life

LEL - Lower Explosive Limit

NFPA - National Fire Protection Association

NIOSH - National Institute of Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

REL - Recommended Exposure Limit

SARA - Superfund Amendment and Reauthorization Act

STEL - Short Term Exposure Limit

TLV - Threshold Limit Value

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average

UEL - Upper Explosive Limit

User's Responsibilities

No MSDS, this one included, can anticipate all possible situations which the user may encounter when using this product. All aspects of your operation must be thoroughly examined to determine whether additional precautions might be necessary. All information contained in this MSDS should be made available to your employees and customers. It is the responsibility of the user to institute appropriate safety and work rules and employee instructional programs for your particular operation.

Disclaimer of Liability

As the conditions or methods of use are beyond our control, we assume no responsibility and expressly disclaim any liability for any use of this material. Information contained herein is believed to be true and accurate but all statements and suggestions are made without warranty, express or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable

Product Name: 1805 Type BMB

Emergency Phone Number: (330) 336-6616

federal, state and local laws and regulations remains the responsibility of the user.