



### Material Safety Data Sheet

<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>	
<i>Product Information</i>	
Product name	Plastibase
Version	3.1, 06/19/2012
Jurisdiction	This Material Safety Data Sheet was prepared for the jurisdiction USA.
Synonyms	Plastibase 5W; Plastibase 50W; Plastibase 55W; Plasticized hydrocarbon gel
Intended Uses	This material is used as a component in topical products.
<i>Company/Undertaking Identification</i>	
Address	<b>Bristol-Myers Squibb Company</b> P.O. Box 191 New Brunswick, New Jersey 08903 United States of America 1-732-227-7380
Emergency Phone Number	CHEMTREC 1-800-424-9300. For all international transportation emergencies call CHEMTREC at 1-703-527-3887. Collect calls accepted.

<b>2. COMPOSITION/INFORMATION ON INGREDIENTS</b>		
Components	Concentration	CAS-No.
<i>Hazardous components</i>		
Mineral Oil	> 90 %	8042-47-5
<i>Other ingredients</i>		
Non-Hazardous Ingredients	<10 %	Not available

<b>3. HAZARDS IDENTIFICATION</b>	
<i>Emergency Overview</i>	
Appearance	liquid : white translucent ; paste
Signal Word	Caution
Hazard Statements	Target Organs: lungs, gastrointestinal tract.
Precautionary Measures	Avoid contact with eyes. Wear eye/face protection.
<i>Potential Health Effects</i>	
Eyes	Possible mild eye irritant
Skin	Mildly and/or transiently irritating to skin., Experimental data indicate that this material has low potential to cause acute toxicity by skin contact.
Ingestion	Experimental data indicate that this material has low potential to cause acute toxicity by ingestion. Material has a relatively high viscosity and potential for aspiration is low. However, if material is aspirated into the lungs, it may cause lung damage.
Inhalation	Inhalation of mineral oil mist or aerosol may cause lipoid pneumonia.
Target Organs	lungs, gastrointestinal tract
Signs and Symptoms	gastrointestinal discomfort, diarrhoea, soft stools

**3. HAZARDS IDENTIFICATION**

<i>Environmental Effects</i>	Experimental data indicate low potential for acute harm to aquatic organisms.
------------------------------	---

**4. FIRST AID MEASURES**

Eye contact	Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention if irritation occurs.
Skin contact	Wash off with soap and water. Get medical attention if irritation occurs.
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Obtain medical attention.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
Notes to Physician	Refer to Section 11.
Medical Surveillance	Employees who are pregnant, are breast-feeding, or who are concerned with other reproductive issues should be encouraged to consult with the occupational health physician monitoring worker's health.

**5. FIRE-FIGHTING MEASURES**

Flammable Properties	Not available
Extinguishing Media	Suitable extinguishing media: Dry chemical, Water spray, Foam  Unsuitable extinguishing media: Do NOT use water jet.
Protection of Firefighters	Specific hazards: Possible mild eye irritant Protective equipment: Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus. Hazardous Combustion Products: carbon oxides (COx), nitrogen oxides (NOx)
Other information:	Decontaminate protective clothing and equipment before reuse.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions	Refer to protective measures listed in sections 7 and 8. Use personal protective equipment. Examples include tightly fitting safety goggles, lab coat and impervious gloves.
Environmental precautions	Prevent release to drains and waterways. Prevent release to the environment.
Containment Methods	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Cleanup Methods	Contain and collect spillage and place in container for disposal according to local regulations (see Section 13).

**7. HANDLING AND STORAGE**

Handling Precautions	Avoid inhalation of vapour or mist. Keep away from heat and sources of ignition. Prevent release to drains and waterways.
Storage Conditions	Store at room temperature. Avoid excessive heat. Store below 35°C (95°F). Protect against light. Keep away from heat, sparks and flames. Do not store near incompatible substances.
Container Requirements	Store in sturdy containers appropriate to maintain the integrity of this material for its intended use. Keep tightly closed. Store in spill containment pallet or other device to confine spills.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure limit(s)	Company Guideline	ACGIH	OSHA	NIOSH
Mineral Oil	--	10 mg/m3 STEL 5 mg/m3 TWA 10 mg/m3 STEL sampled by method that does not collect vapor 5 mg/m3 TWA sampled by method that does not collect vapor	5 mg/m3 TWA 5 mg/m3 TWA	10 mg/m3 STEL 5 mg/m3 TWA 2,500 mg/m3 IDLH 10 mg/m3 STEL 5 mg/m3 TWA
Exposure Control Band	Not available			
Bristol-Myers Squibb Exposure Guidelines Summary	Not available			
Recommended Industrial Hygiene Monitoring Methods	Refer to applicable NIOSH, OSHA or ASTM methods for constituents.			
Engineering Controls and Ventilation	When handling small quantities in a clinical setting, good room ventilation is desirable. Specific engineering controls should not be needed. When handling larger quantities, such as in a manufacturing setting, ensure worker exposure is below the recommended exposure limit. If significant aerosol (mist) is generated, use process enclosures, containment technology, or other engineering controls to keep airborne levels below recommended exposure limit.			
Respiratory protection	Respiratory protection is not required for normal use of this material. If the occupational exposure limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.			
Eye protection	Follow good chemical hygiene practices when using clinical or consumer presentations. Glasses or chemical splash resistant goggles are recommended if eye contact is possible.			
Hand protection	Follow good chemical hygiene practices when using clinical or consumer presentations. Wear gloves when working with large quantities.			
Skin and body protection	Follow good chemical hygiene practices when using clinical or consumer presentations. It is recommended that a laboratory coat be worn when handling product.			
Hygiene	Wash hands before breaks and immediately after handling the product.			

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<i>Appearance</i>	
Physical State	liquid
Color	white translucent
Form	paste
<i>Other information</i>	
Molecular Weight	Not applicable
Molecular formula	Not applicable
Bulk density	Not available
Evaporation rate	Not available
Hydrolysis/Photolysis	Not available
Hygroscopicity	Not available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Log Octanol/Water Partition Coeff [log Kow]	Not available
Surface Tension	Not available
Odor	Not available
Odor Threshold	Not available
pH	Not available
pKa	Not available
Particle Size	Not available
Solubility, Water	Not available
Specific Gravity/ Relative density	Not available
Viscosity	Not available
<i>Thermal/Stability properties</i>	
Autoignition temperature	Not available
Boiling Point	Not available
Thermal decomposition	Not available
Explosive Limits, LEL	Not available
Explosive limits, UEL	Not available
Explosiveness	Not available
Flammability	Not available
Flash point	Not available
Melting Point	Not available
Oxidizing Potential	Not available
<i>Vapor Properties</i>	
Vapor Density	Not available
Vapor Pressure	Not available
Saturated Vapor Concentration	Not available

**10. STABILITY AND REACTIVITY**

<i>Stability</i>	
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Not available
Incompatible products	Incompatible with: oxidizing agents, chlorine, nitric acid, oxygen
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions.: carbon oxides (COx), nitrogen oxides (NOx)
Hazardous reactions	None known. Stable under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

Routes of Entry	Ingestion, Inhalation, Eye contact, Skin contact
Eye Irritation	<u>Mineral Oil</u> Mildly irritating to eyes.

**11. TOXICOLOGICAL INFORMATION**

Skin Irritation	<u>Mineral Oil</u> Mildly and/or transiently irritating to skin.			
Respiratory Irritation	<u>Mineral Oil</u> Inhalation of mist may cause irritation of respiratory system. (only at high concentrations)			
Sensitization	<u>Mineral Oil</u> Not a dermal sensitizer			
Acute Toxicity Study	<b>Acute Oral</b> <u>Mineral Oil</u> LD50 (Rat): > 5,000 mg/kg			
Repeated Dose Toxicity	<u>Mineral Oil</u> <b>Assessment Repeat Dose Toxicity</b> Several studies were conducted. Prolonged exposure may cause chronic effects. See Section 11 Target Organs and Symptoms for a description of effects.			
Genetic Toxicity	<u>Mineral Oil</u> <b>in vitro</b> Ames reverse-mutation assay -- negative Forward gene mutation assay -- negative <b>Mutagenicity Assessment</b> In vitro tests did not show mutagenic effects			
Carcinogenicity	<u>Mineral Oil</u> <b>Carcinogenicity Assessment</b> This material was negative in carcinogenicity bioassays when administered by routes relevant in the workplace, e.g. oral, dermal and inhalation exposure.			
<b>Carcinogenicity</b>	<b>ACGIH</b>	<b>OSHA</b>	<b>NTP</b>	<b>IARC</b>
Mineral Oil	--	--	--	3
Reproductive Toxicity	<u>Mineral Oil</u> 13 Weeks Oral (5/week) exposure time = 19 Weeks one generation (Rat) (F1 offspring, parent, males and females) NOAEL = > 4350 mg/kg No effects were observed. <b>Assessment Reproductive Toxicity</b> No effects were found on mating or fertility.			

**11. TOXICOLOGICAL INFORMATION**

Developmental Toxicity	<u>Mineral Oil</u> 13 Days Oral (daily) exposure time = 20 Days Study of Embryo-Fetal Development (Rat) (F1 offspring, females) NOAEL = > 4350 mg/kg  <b>Developmental Toxicity Assessment</b> Did not show teratogenic effects in animal experiments. No adverse maternal effects were observed.
Human experience	<b>Experiences with Human Exposure</b> <u>Mineral Oil</u> See Section 11 Target Organs and Symptoms for a description of effects.
Target Organs	<u>Mineral Oil</u> lungs, gastrointestinal tract
Symptoms	<u>Mineral Oil</u> shortness of breath, cough, noisy respiration, diarrhoea, soft stools, gastrointestinal discomfort
Pharmacokinetics/ Toxicokinetics	Not available
Other Toxicity Information	Not available

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicological Information (Aquatic)</b>	
<b>Acute Toxicity to Fish</b>	
<u>Mineral Oil</u> LC50 (Lepomis macrochirus, 96 H) : > 10,000 mg/l.	
<b>Ecotoxicological Information (Terrestrial)</b>	Not available
<b>Chemical fate information</b>	
<b>Biodegradation</b>	
<u>Mineral Oil</u> Inherent biodegradation : ; Inherently biodegradable - biodegrades in the environment.	
<b>Stability in water</b>	
<u>Mineral Oil</u> Hydrolysis: Stable in water. Does not undergo hydrolysis	
<b>Summary Statements</b>	
<b>Aquatic toxicity</b>	
<u>Plastibase</u> Experimental data indicate low potential for acute harm to aquatic organisms.	

**13. DISPOSAL CONSIDERATIONS**

Advice On Disposal And Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.
----------------------------------	---

**13. DISPOSAL CONSIDERATIONS**

Other information      This information presented only applies to the material as supplied. Disposal by incineration is recommended.

**14. TRANSPORT INFORMATION**

This material is not a dangerous good for the purpose of transportation.

**15. REGULATORY INFORMATION****United States of America**

OSHA Hazard      Hazardous  
Classification      Target Organs

313 Toxic Release      No components listed on the SARA 313 inventory.  
Inventory. Listed  
Chemicals/Compou  
nds

TSCA Inventory      yes

**International****Canada**

WHMIS      This product is not regulated under the Hazardous Products Act and Controlled Products Regulations.

DSL/NDSL      Listed on the NDSL. Not listed on the DSL.

**Mexico**

Mexico      Health classification - Minimal hazard - 0 - Substances that do not pose a hazard under  
Classification      emergency conditions other than that of ordinary combustible materials.

**Europe**

EINECS/ELIN      Mineral Oil: 232-455-8  
CS/Number

**16. OTHER INFORMATION***MSDS preparation information*

Prepared by      Research and Development Environment, Health and Safety 1-732-227-7380

Prepared on      06/19/2012

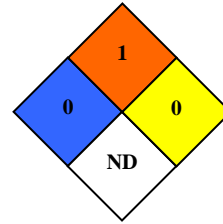
This Safety Data Sheet has been revised. This data sheet contains changes from the previous version in section(s): 1, 2, 3, and 16.

*Other information*

HMIS	Health	1
	Flammability	1
	Reactivity	0
	Personal protective equipment	See Section 8.

## NFPA

Health	0
Fire	1
Reactivity	0
Special	ND



The information contained in this SDS is believed to be accurate and represents the best information reasonably available at the time of preparation. However, we make no warranty, express or implied, with respect to such information. and we assume no liability from its use.