

**ASENSA PR 200, 27 KG, SL, B7**

Version 1

Revision Date 01/22/2008

Print Date 09/04/2008

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Asensa® Polyethylene Homopolymers  
MSDS Number : 000000011601  
Product Use Description : Personal care

Company : Honeywell International, Inc.  
101 Columbia Road  
Morristown, NJ 07962-1057

For more information call : 800-222-0094  
973-455-2145  
(Monday-Friday, 9:00am-5:00pm)

**In case of emergency call : Medical: 1-800-498-5701**  
: **Transportation: 1-800-424-9300 or 703-527-3887**  
: (24 hours/day, 7 days/week)

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

Form : Wax like solid

Color : white

Odor : Wax like characteristic

Hazard Summary : Static charges on powders or powders in liquids may ignite combustible atmospheres. Accumulations of dust from this product in the workplace may increase the likelihood or severity of an explosion. Product dust may be irritating to eyes, skin and respiratory system. Thermal decomposition can lead to release of irritating gases and vapours. The molten product can cause serious burns.

**Potential Health Effects**

Skin : May cause mechanical irritation.  
The molten product can cause serious burns.

Eyes : May cause mechanical irritation.  
Thermal decomposition can lead to release of irritating gases and vapours.

Ingestion : Unlikely route of exposure.  
No known effect.

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Inhalation : Thermal decomposition can lead to release of irritating gases and vapours.

Chronic Exposure : None known.

Aggravated Medical Condition : None known.

**Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Weight %
Ethene, homopolymer	9002-88-4	100.00

**SECTION 4. FIRST AID MEASURES**

Inhalation : Remove to fresh air. Call a physician if irritation develops or persists.

Skin contact : Wash off with soap and water. Call a physician if irritation develops or persists. Cool skin rapidly with cold water after contact with molten material. Do not peel solidified product off the skin. Call a physician immediately.

Eye contact : Rinse with plenty of water. Call a physician if irritation develops or persists.

Ingestion : Unlikely route of exposure. If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician if necessary.

**Notes to physician**

Treatment : Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES**

Flash point : >230 °C (446 °F)  
open cup

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Lower explosion limit	:	not applicable
Upper explosion limit	:	not applicable
Suitable extinguishing media	:	<p>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</p> <p>Water mist            Dry chemical            Carbon dioxide (CO<sub>2</sub>)            Foam</p> <p>Do not use a solid water stream as it may scatter and spread fire.</p>
Specific hazards during fire fighting	:	<p>Material can create slippery conditions.</p> <p>Watch footing on floors and stairs because of possible spreading of molten material.</p> <p>Airborne dusts of this product in an enclosed space and in the presence of an ignition source may constitute an explosion hazard.</p> <p>Static charges on powders or powders in liquids may ignite combustible atmospheres.</p> <p>Cool closed containers exposed to fire with water spray.</p> <p>Do not allow run-off from fire fighting to enter drains or water courses.</p> <p>In case of fire hazardous decomposition products may be produced such as:            Carbon monoxide            Carbon dioxide (CO<sub>2</sub>)</p>
Special protective equipment for fire-fighters	:	<p>In the event of fire and/or explosion do not breathe fumes.</p> <p>Wear self-contained breathing apparatus and protective suit.</p>

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions	:	<p>Wear personal protective equipment. Unprotected persons must be kept away.</p> <p>Ensure adequate ventilation.</p> <p>Contact with hot product will cause thermal burns.</p>
Environmental precautions	:	<p>Should not be released into the environment.</p> <p>Prevent product from entering drains.</p>
Methods for cleaning up	:	<p>Avoid dust formation and electrical charging (sparking) because dust explosion might occur.</p> <p>Do not create a powder cloud by using a brush or compressed air.</p> <p>Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).</p> <p>For molten product:</p>

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Spilled material will solidify.  
Allow to solidify.  
Scrape up.  
Shovel into suitable container for disposal.

**SECTION 7. HANDLING AND STORAGE****Handling**

Handling : Wear personal protective equipment.  
Avoid contact with skin and eyes.  
Do not breathe dust.  
Floors, walls and other surfaces must be regularly cleaned.  
Keep away from fire, sparks and heated surfaces.  
Take precautionary measures against static discharges.  
Material can create slippery conditions.

Advice on protection against fire and explosion : All combustible solids have the potential to create a dust explosion hazard. The likelihood of an explosion can be dependent upon many factors, such as the explosive characteristics of the material, the design of the facility, and the manner in which the material is handled. A more detailed discussion can be found in NFPA Bulletin 654, "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids."

**Storage**

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Keep away from heat and sources of ignition.  
Keep away from direct sunlight.  
Do not store together with:  
Strong oxidizing agents  
Amines

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Protective measures : Do not breathe vapours/dust.  
Avoid contact with skin, eyes and clothing.  
Ensure that eyewash stations and safety showers are close to the workstation location.

Engineering measures : General room ventilation is adequate for storage and handling.  
Provide exhaust ventilation if dust is formed.  
Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors.

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- Eye protection : Wear as appropriate:  
Safety glasses with side-shields  
For molten product:  
Goggles or face shield, giving complete protection to eyes
- Hand protection : When handling hot material, use heat resistant gloves.
- Skin and body protection : Wear heat protective clothing for handling hot material.
- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hygiene measures : Wash hands before breaks and at the end of workday.  
Remove and wash contaminated clothing before re-use.  
Keep working clothes separately.

**Exposure Guidelines**

Particulates Not Otherwise Regulated	ACGIH	TWA	10 mg/m3
	Form of exposure	Inhalable particles.	
	ACGIH	TWA	3 mg/m3
	Form of exposure	Respirable particles.	
	OSHA Z1	PEL	5 mg/m3
	Form of exposure	Respirable fraction. All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3.	
	OSHA Z1	PEL	15 mg/m3
	Form of exposure	Total dust. All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3.	
	OSHA Z1A	TWA	5 mg/m3
	Form of exposure	Respirable fraction.	
	OSHA Z1A	TWA	15 mg/m3
	Form of exposure	Total dust.	
	Z3	TWA	15 millions of particles

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	Form of exposure	Respirable fraction.	per cubic foot of air
Z3	TWA	50 millions of particles	per cubic foot of air
	Form of exposure	Total dust.	
Z3	TWA	5 mg/m <sup>3</sup>	
	Form of exposure	Respirable fraction.	
Z3	TWA	15 mg/m <sup>3</sup>	
	Form of exposure	Total dust.	
US CA OEL	TWA PEL	10 mg/m <sup>3</sup>	
	Form of exposure	Total dust.	
US CA OEL	TWA PEL	5 mg/m <sup>3</sup>	
	Form of exposure	Respirable fraction.	

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: Wax like solid
Color	: white
Odor	: Wax like characteristic
pH	: not applicable
Drop point	: 86 - 94 °C (187 - 201 °F)
Melting point/range	: 84 - 100 °C (183 - 212 °F)
Boiling point/boiling range	: not determined
Vapor pressure	: not applicable
Relative vapour density	: not applicable
Density	: 0.88 - 0.97 g/cm <sup>3</sup>
Water solubility	: negligible

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid	: Heat, flames and sparks. Avoid dust formation and electrical charging (sparking)
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- because dust explosion might occur.  
Avoid exposure to temperatures exceeding recommended processing conditions. Honeywell should be contacted if questions arise concerning specific processing conditions.
- Materials to avoid : Strong oxidizing agents  
Amines
- Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)
- Hazardous reactions : Hazardous polymerisation does not occur.  
Stable under recommended storage conditions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

- Acute oral toxicity : LD50 rat  
Dose: > 2,000 mg/kg
- Acute oral toxicity : LDLo mouse  
Dose: 5,000 mg/kg

**SECTION 12. ECOLOGICAL INFORMATION**

- Additional ecological information : We have no quantitative data concerning the ecological effects of this product.  
Bioaccumulation is unlikely.  
Aquatic toxicity is unlikely due to low solubility.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Information: Observe all Federal, State, and Local Environmental regulations.

**SECTION 14. TRANSPORT INFORMATION**

- DOT** Not dangerous goods
- TDG** Not dangerous goods
- IATA** Not dangerous goods

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**IMDG** Not dangerous goods**SECTION 15. REGULATORY INFORMATION****Inventories**

US. Toxic Substances Control Act : On or in compliance with the inventory

Australia. Industrial Chemical (Notification and Assessment) Act : On or in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133) : On or in compliance with the inventory

Japan. Kashin-Hou Law List : On or in compliance with the inventory

Korea. Toxic Chemical Control Law (TCCL) List : On or in compliance with the inventory

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act : On or in compliance with the inventory

China. Inventory of Existing Chemical Substances : On or in compliance with the inventory

Switzerland. Consolidated Inventory : On or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On or in compliance with the inventory

EU. EINECS : Product falls under the EU-polymer definition.

**National regulatory information**

**SARA 311/312 Hazards** : No SARA Hazards

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**California Prop. 65** : This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

**WHMIS Classification** : Not Rated

**SECTION 16. OTHER INFORMATION**

	<b>HMIS III</b>	<b>NFPA</b>
Health Hazard	: 0	0
Flammability	: 1	1
Physical Hazard	: 0	
Instability	:	0