

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Number:** 45-0801  
**Product Name:** MELOJEL  
**Cas Number of Product:** 9005-25-8

National Starch & Chemical Company  
P.O. Box 6500 FINDERNE AVENUE  
BRIDGEWATER, NJ 08807  
USA

**Emergency Telephone:** 908-585-5000 (24 Hours)

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL FAMILY: Carbohydrate  
NONE HAZARDOUS

**3. HAZARDS IDENTIFICATION**

EYE: Particulates may scratch eye surfaces/cause mechanical irritation.  
SKIN CONTACT: Low order of toxicity.  
INHALATION: This product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m<sup>3</sup>.  
INGESTION: No hazard in normal industrial use.

**4. FIRST-AID MEASURES**

EYE: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.  
SKIN CONTACT: Wash with soap and water.  
INHALATION: Remove to fresh air.  
INGESTION: Not Applicable.

**5. FIREFIGHTING MEASURES**

AUTOIGNITION: See Fire & Explosion Hazards.  
FLASH POINT: Not Applicable.  
EXTINGUISHING MEDIA: Dry chemical; CO<sub>2</sub>; Water fog; Foam.  
SPECIAL FIREFIGHTING PROCEDURES: No special procedures are required.  
FIRE & EXPLOSION HAZARDS: Minimum ignition temperature of dust cloud- approx. 390C. Minimum explosive concentration- approx. 70 mg/1. Minimum energy to ignite cloud by electrical spark- approx. 0.06 joules.  
HAZARD COMBUSTION PRODUCTS: This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.  
UPPER EXPLOSION LIMIT (%): Not Applicable.  
LOWER EXPLOSION LIMIT (%): Not Applicable.  
NFPA FLAMMABILITY HAZARD CLASS: 1 = Slight.

**6. ACCIDENTAL RELEASE MEASURES**

SPILL AND LEAKAGE PROCEDURES: Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water; collect wash water for approved disposal. Do not flush to storm sewer or waterway.

For safety and environmental precautions, please review Material Safety Data Sheet for necessary information.

**7. HANDLING AND STORAGE**

STORAGE TEMPERATURES: Ambient.  
HANDLING PROCEDURES: Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal.  
VENTILATION REQUIREMENTS: General.  
SENSITIVITY TO STATIC ELECTRICITY: Yes.  
SENSITIVITY TO MECHANICAL IMPACT: No.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

VENTILATION REQUIREMENTS: General.  
EYE PROTECTION REQUIREMENTS: Safety glasses are optional.  
GLOVE REQUIREMENTS: Not Applicable.  
CLOTHING REQUIREMENTS: Not Applicable.  
WASH REQUIREMENTS: Wash with soap and water.  
RESPIRATORY REQUIREMENTS: NIOSH approved dust mask.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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PURE SUBSTANCE OR MIXTURE:	Pure.
PHYSICAL FORM:	Solid.
APPEARANCE/ODOR:	White; Starch odor.
ODOR THRESHOLD:	Not Available.
MOLECULAR WEIGHT:	> 10000.
PH AS IS:	Not Applicable.
PH IN ( 1%) SOLUTION:	Approx. 5.5.
BOILING POINT:	Not Applicable.
MELTING/FREEZING POINT:	Not Applicable.
SOLUBILITY IN WATER:	Insoluble.
PARTITION COEFFICIENT (n-octanol/water):	Not Applicable.
SPECIFIC GRAVITY ( water = 1 ):	1.500.
EVAPORATION RATE:	Not Applicable.
VAPOR PRESSURE ( mmHg ):	Not Applicable.
VAPOR DENSITY ( air = 1 ):	Not Applicable.
VOLATILES:	None.
AUTOIGNITION:	See Fire & Explosion Hazards.
FLASH POINT:	Not Applicable.
OXIDIZING PROPERTIES:	Not Applicable.

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**10. STABILITY AND REACTIVITY**

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STABILITY:	Stable.
MATERIALS TO AVOID:	None.
NFPA REACTIVITY HAZARD CLASS:	0 = Insignificant.
HAZARDOUS DECOMPOSITION PRODUCTS:	This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

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**11. TOXICOLOGICAL INFORMATION**

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CHRONIC (LONG TERM) EFFECTS OF EXPOSURE

ROUTE OF ENTRY:	Eye contact; Skin contact; Inhalation; ingestion.
EFFECTS OF CHRONIC EXPOSURE:	This product is considered as being non-toxic. Use of good industrial hygiene practices is recommended.
TARGET ORGANS:	Not Applicable.
CARCINOGEN:	No.

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**12. ECOLOGICAL INFORMATION**

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Not Available.

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**13. DISPOSAL CONSIDERATIONS**

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WASTE DISPOSAL METHODS:	Waste disposal should be in accordance with existing federal, state and local environmental regulation.
EMPTY CONTAINER WARNINGS:	Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

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**14. TRANSPORTATION INFORMATION**

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DOT INFORMATION:	Not Applicable.
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**15. REGULATORY INFORMATION**

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TSCA:	On TSCA Inventory.
FDA:	21CFR182.1
SARA/TITLE III:	This product contains no substances at or above the reporting threshold under Section 313, based on data available.

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The information given and the recommendations made herein apply to our product (s) alone and are not combined with other product (s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guaranty or accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.

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**16. REGULATORY INFORMATION**

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MSDS DATE:	September 11, 1998.
CHANGES SINCE PREVIOUS ISSUE:	Section 5
FOR REGULATORY INFORMATION, CONTACT:	

**Scott Grare**  
**Regulatory Coordinator**  
**Industrial & Food Starch Division**  
**National Starch & Chemical Company**  
**Finderne Avenue, P.O. Box 6500**  
**Bridgewater, NJ 08807**  
**USA**  
**Telephone: 908/685-2738**