

Excelsior MM-100

Excelsior Moisture Mitigation

Version	Revision Date:	MSDS Number:	Date of first issue:
1.0	12/6/2016	MM-100	03/04/2016

SECTION 1. IDENTIFICATION

Product name : Excelsior MM-100

Product Description : Moisture Mitigation

Supplier : RHC

Address : 1602 N. Union St.
Fostoria, OH 44830

Telephone : (844) 393 - 4044

Fax : (419) 436 - 2482

Emergency Telephone Number : INFOTRAC: (800) 535-5053
INFOTRAC INTL: (352) 323-3500
Contract ID: 98229

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification : H315 – Skin Irrit. 2
H317 – Skin Sens. 1
H319 – Eye Irrit. 2A
H332 – Acute Tox. 4
H334 – Resp. Sens. 1
H335 – STOT SE 3
H373 – STOT RE 2

See section 16 for full text of H-Phrases

GHS Label Elements

Hazard Pictograms :



Signal Word : Danger

Hazard Statements : H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H332 – Harmful if Inhaled.
H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 – May cause respiratory irritation.
H373 – May cause damage to organs through prolonged or repeated exposure.

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Precautionary Statements :

- P261 - Avoid breathing vapors, mist, or spray.
- P280 - Wear protective gloves, protective clothing, and eye protection.
- P303+P361+P353 - IF ON SKIN (or hair): Remove all contaminated clothing and rinse skin with water/shower.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P342+P311 – If experiencing respiratory difficulty, call a POISON CENTER or doctor/physician.
- P332+P313 – If skin irritation occurs, get medical advice/attention.

Other Hazards : Exposure may aggravate those with pre-existing eye, skin or respiratory conditions.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Classification : Mixtures

Description : Adhesive

Hazardous Components

CAS#	Chemical Name	Percentage
9016-87-9	diphenylmethanediisocyanate, isomeres and homologues	50 – 100%

SECTION 4. FIRST AID MEASURES

General : Symptoms of poisoning may occur even after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

Inhalation : If inhaled, move to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention immediately. In case of unconsciousness, place patient stably in side position for transportation.

Skin Contact : In case of skin contact, flush with plenty of water for at least while removing all contaminated clothing. If symptoms persist, seek medical attention immediately. Wash clothing before reuse.

Eye Contact : In case of eye contact, remove contact lens and cautiously rinse immediately with plenty of water for several minutes. Keep eye wide open while rinsing. If symptoms persist, contact a poison control center or seek medical attention immediately.

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- Ingestion** : If ingested, do NOT induce vomiting. If conscious, rinse out mouth. If symptoms persist, seek medical attention immediately.
- Most important symptoms and effects, both acute and delayed** : No further relevant information available.
- Indications of any immediate medical attention and special treatment needed** : No further relevant information available.

SECTION 5. FIREFIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media** : CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.
- Unsuitable Extinguishing Media** : Do not use heavy water stream, as this may spread fire.

Specific Hazards Arising From Substance or Mixture

- Fire Hazard** : Product is not considered flammable, but may burn at high temperatures.
- Explosion Hazard** : Product is not explosive.
- Reactivity** : The formation of toxic gases is possible during heating or in case of fire.

Advice for Firefighting

- Precautionary Measures While Firefighting** : Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes may be present.
- Specific Firefighting Instructions** : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Do not allow run-off from firefighting to enter sewage systems or water course. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Specific Protection Equipment for Firefighters** : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions, Protective Equipment & Emergency Procedures** : Ensure adequate ventilation. Use respirator to avoid breathing vapors, mist, or spray.
- Environmental Precautions** : Do not allow product to reach sewage systems or water course. Inform respective authorities in case of seepage into sewage or water course.
- Methods & Materials for Containment and Cleaning Up** : Ensure adequate ventilation. Contain any spills with dikes or inert absorbent material (e.g. sand, diatomite, acid binder, universal binder, sawdust) to prevent migration into sewage systems and water course. Clean up spills immediately and dispose contaminated material according to section 13. Clean contaminated floors and objects thoroughly while observing environmental regulations. Inform respective authorities in case of seepage into sewage or water course.
- Reference to Other Sections** : See section 7 for information on safe handling. See Section 8 for information on personal protection. See section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

- Additional Hazards When Processed** : Ensure good ventilation/exhaustion at the workplace. Prevent formation of fumes or vapors.
- Hygiene Measures** : Handle in accordance with industrial hygiene best practices and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

- Storage Conditions** : Store in a dry, cool and well-ventilated area. Keep container closed and tightly sealed when not in use. Protect from frost.
- Specific End Use(s)** : No use specified.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with Workplace Control Parameters

Contains no substances with occupational exposure limit values.

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Exposure Controls

- Engineering Controls** : Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.
- Environmental Exposure Controls** : Do not allow product to be released into the environment.
- Consumer Exposure Controls** : Do not eat, drink or smoke during use.
- Protective Measures** : Keep away from food, beverages and feed. Do not inhale gases / fumes / aerosols.
- Hygiene Measures** : Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

Personal Protective Equipment



- General:** : Wear protective goggles, gloves and protective clothing. In case of insufficient ventilation, wear respiratory protection.
- Respiratory Protection** : Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
- Hand Protection** : Protective Butyl Rubber Gloves.
- Eye Protection** : Tightly sealed safety goggles or glasses.
- Skin & Body Protection** : Wear suitable protective clothing. Rinse skin after contact. Change contaminated clothing before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Fluid
- Color** : Blue
- Odor** : Characteristic
- Melting Point/Range** : >32° F (< 0° C)
- Boiling Point/Range** : 664° F (351° C)

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Flash Point	: 410° F (210° C)
Ignition Temperature	: >1112° F (>600° F)
Lower/ Upper Explosion Limit	: Product does not present an explosion hazard.
Vapor Pressure	: <0.00001 hPa
Density	: 1.17 g/m ³
Viscosity	: 300 mPas
Solubility of Water	: Hydrolized
Organic Solvent Content	: 99.8%
VOC Content	: 0.0%
Solids Content	: 100%

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable under normal conditions.
Chemical Stability	: Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions	: Reacts with incompatible materials.
Conditions to Avoid	: Protect from frost.
Incompatible Materials	: Alcohols, amines, aqueous acids & alkalis.
Hazardous Decomposition Products	: Danger of toxic pyrolysis products, carbon dioxide.

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SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological Effects (Product)

Acute Toxicity :

Diphenylmethanediisocyanate, Isomeres and Homologues (9016-87-9)	
LD50 Oral Rat	> 10000 mg/kg
LD50 Dermal Rabbit	> 9400 mg/kg
LC50/4h Inhalation Rat	11 mg/l

Skin Corrosion / Irritation : Irritant to skin and mucous membranes.

Serious Eye Damage / Irritation : Irritating effect.

Respiratory or Skin Sensitization: : Sensitizing effect through inhalation is possible with prolonged exposure. Sensitizing effect by skin contact is possible with prolonged exposure. Sensitization possible through inhalation. Sensitization possible through skin contact.

Germ Cell Mutagenicity : Not classified

Teratogenicity : Not classified

Carcinogenicity : Not classified

Reproductive Toxicity : Not classified

Aspiration Hazard : Not classified

Specific Target Organ Toxicity (Single or Repeated Exposure) : Not classified

Additional Information : The product shows the following dangers according to internally approved calculation methods for preparation:
Harmful
Irritant

Carcinogenic Categories

IARC Diphenylmethanediisocyanate, isomeres and homologues (9016-87-9): 3

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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NTP No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity (Product)

Acute Toxicity :	
Triethylenetetramine (112-24-3)	
LC50/96h	1000 mg/l (Danio Rerio)
LC0/96h	1000 mg/l (Brachydanio Rerio)
EC50/24h	100 mg/l (bacteriums)
EC50/48h	1.000 mg/l (Daphnia Magna)
EC50/3h	100 mg/l (sludge)

Persistence & Degradability : Not available

Bioaccumulative Potential : Not available

Mobility in Soil : Not available

Other Adverse Effects : None known

Other Information : **Water Hazard Class 1 (self-assessment):** Slightly hazardous for water. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from Residues : Do not dispose of with household garbage. Do not allow product to reach sewage system or water course. Dispose of in accordance with local regulations.

Contaminated Packaging : Empty containers should be taken to an approved waste handling site for disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

DOT : Not regulated as a dangerous good

SAFETY DATA SHEET



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IMDG-Code : Not regulated as a dangerous good

IATA-DGR : Not regulated as a dangerous good

UNRTDG : Not regulated as a dangerous good

National Regulation

49 CFR : Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

SARA 355 : Diphenylmethanediisocyanate, isomeres and homologues (9016-87-9): extremely hazardous substance.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

TSCA (Toxic Substance Control Act) : Diphenylmethanediisocyanate, isomeres and homologues (9016-87-9).

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

Chemicals known to cause cancer : None of the ingredients listed

Chemicals known to cause reproductive toxicity for females : None of the ingredients listed

Chemicals known to cause reproductive toxicity for males : None of the ingredients listed

Chemicals known to cause developmental toxicity : None of the ingredients listed

VOC : 0.0 g/l – 0.00 lb/gal

Chemical Safety Assessment : A Chemical Safety Assessment has not been carried out.

SECTION 16. OTHER INFORMATION

: 12.6.2016

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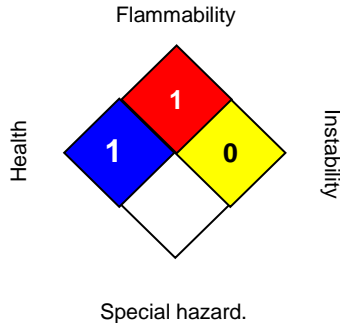
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Other Information : This document has been prepared in accordance with the SDS requirements of OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases :

GHS Code	GHS Phrase
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation.
H332	Harmful if Inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.

NFPA:



HMIS III:

HEALTH	*1
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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