NUCOR®
INSULATED PANEL GROUP

PIR SERIES

SAFETY DATA SHEET

•SECTION 1 – MANUFACTURER AND PRODUCT IDENTIFICATION•

Nucor Insulated Panel Group
700 State Hwy 121, Suite 200,
Lewisville, TX 75067

EMERGENCY NUMBER: 800-424-9300
(24 HOURS)
INFORMATION NUMBER: 1-800-262-8200
(BUSINESS HOURS)
Monday-Friday, 8:00am to 5:30pm EST

PRODUCT NAME: PIR Series

PRODUCT USE: Insulating foam panel

•SECTION 2 – HAZARDS IDENTIFICATION•

This material as supplied in its unaltered state is an "article" as defined by the United States Department of Labor, Occupational Safety and Health Administration (OSHA) and is not considered hazardous by the 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards associated with normal conditions of use:

Residual components may be released from this product during cutting, sanding, or other processing. The amount and level will depend on local conditions of use. These components may be irritating to the eyes, sensitizing to the skin and respiratory system, suspected of damaging fertility, may cause damage to target organs through prolonged or repeated exposure respiratory and oral exposure, may be hazardous to the aquatic environment with long-lasting effects, and may form combustible dust concentrations in air.

OSHA Hazard Classification and Category:

Sensitization – Skin – Category 1
Eye Irritation – Category 2
Sensitization – Respiratory – Category 1
Toxic to Reproduction – Category 2
Specific Target Organ Toxicity (Repeated Exposure) – Category 2
Hazardous to the aquatic environment, long-term hazard – Category 4

Hazards Not Otherwise Classified (HNOC):

Combustible Dust

OSHA Pictogram:	
Signal Word:	**WARNING**

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Hazard Statements:	H317 H319 H334 H361 H373 H413 HNOC	May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of damaging fertility or the unborn child. May cause damage to kidneys, liver, or central nervous system through prolonged or repeated oral exposure. May cause damage to the respiratory system through prolonged or repeated inhalation exposure. May cause long lasting harmful effects to aquatic life. May form combustible dust concentrations in air.
Precautionary Statements - Prevention:	P201 P202 P264 P280 P260 P284 P272 P273	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands and skin thoroughly after handling. Wear protective gloves, clothing, and eye/face protection. Do not breathe dusts or fumes. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment.
Precautionary Statements – Response:	P308+P313 P305+P351+P338 P337+P313 P304+P341 P342+P311 P302+P352 P333+P313 P321 P314 P363	If exposed or concerned: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. IF EYE irritation persists: Get medical attention. IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or doctor. IF ON SKIN: Wash with plenty of water. IF SKIN irritation or rash occurs: Get medical advice. Specific treatment can be found in Section 4 – First Aid Procedures of the SDS. Get medical attention if you feel unwell. Wash contaminated clothing before reuse.
Precautionary Statements – Storage:	P405*	Store locked up.*
Precautionary Statements – Disposal:	P501	Dispose of contents and container in accordance with local, regional, national, and international regulations.

***Storage Statement required for the Hazard Classification: Toxic to Reproduction – Category 2. Product as sold does not need to be stored locked up and any material released during processing should be disposed.**

•SECTION 3 – COMPOSITION INFORMATION ON INGREDIENTS•

Chemical name	**CAS Number**	**Content (w/w)**
Potassium 2-ethylhexanoate	3164-85-0	≤ 1.5%
2,2'-oxydiethanol	111-46-6	≤ 2.0%
Various trace Isocyanates	Proprietary CASRNs	≤ 0.1%

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•SECTION 4 – FIRST AID PROCEDURES•

General advice:	If exposed, concerned, or if you feel unwell: get medical attention and show this safety data sheet to the doctor in attendance.
If inhaled:	If breathing becomes difficult move to fresh air and keep comfortable for breathing. Seek medical attention, if symptoms persist.
If on skin:	If irritation occurs wash hands and skin thoroughly with soap and water. Seek medical attention, if irritation persists or a rash occurs.
If in eyes:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention, if irritation persists.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if you feel unwell.

•SECTION 5 – FIRE FIGHTING MEASURES•

Suitable extinguishing media:	Use carbon dioxide or dry chemical extinguisher when available. Water or foam extinguishers may be used. Consider appropriate extinguishing agents suitable for surrounding fire.
Unsuitable extinguishing media for safety reasons:	None known.
Hazards during fire-fighting:	Not expected to be a fire or explosion hazard as supplied. Use may form combustible dust concentrations in air. Avoid generating dust clouds; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Material combustion could produce carbon oxides, nitrogen oxides, or potentially toxic gases. Fire will result in dense black smoke and exposure to combustion products may harm your health.
Protective equipment for fire-fighting:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

•SECTION 6 – ACCIDENTAL RELEASE MEASURES•

Personal precautions:	See Section 8 for personal protective equipment.
Environmental precautions:	Avoid generation of dusts. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Keep material from being discharged to air, soil, and waterways.
Methods and material for containment and cleaning up:	Sweep and collect any dust generated. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Dispose of in accordance with all applicable federal, state, and local regulations.

•SECTION 7 – HANDLING AND STORAGE•

General handling advice:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid eye or skin contact with material. Minimize dust generation and accumulation. Do not breathe dusts or fumes generated. Wear recommended

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	personal protective equipment. Ensure there is adequate ventilation.
General storage advice:	Store in a cool, dry, well-ventilated area. Store away from heat, sparks, flames, and other ignition sources.
Incompatible materials:	Avoid strong oxidizing agents, strong acids, and strong bases.

•SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION•

Occupational exposure limits: No specific exposure limits have been established for this product.		
Particulates Not Otherwise Regulated (PNOR):	OSHA PEL: Cal/OSHA PEL (8-hour TWA):	15 mg/m^3 (total dust) 5 mg/m^3 (respirable fraction) 10 mg/m^3 (total dust) 5 mg/m^3 (respirable fraction)
Methylene bisphenyl isocyanate (MDI) (CAS 101-68-8)	OSHA PEL: Cal/OSHA PEL (8-hour TWA): NIOSH REL: ACGIH TLV-TWA:	0.02 ppm (ceiling) 0.2 mg/m^3 (ceiling) 0.005 ppm 0.05 mg/m^3 0.2 mg/m^3 (ceiling) [10-min] 0.005 ppm (0.051 mg/m^3)
Engineering controls:	Use outdoors or ensure adequate ventilation. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen- deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).	
Personal protective equipment:		
Respiratory protection:	Wear NIOSH approved respiratory protective equipment as dust can be generated when working with this material.	
Hand/Body protection:	Wear appropriate workplace clothing and gloves when working with this material.	
Eye protection:	Wear approved safety glasses or other eye protection.	
General safety and hygiene measures:	Use the appropriate workplace personal protective equipment for the situation in which the material is being handled.	

•SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES•

Physical state	Solid foam panel
Color	No data available
Odor	Slight chemical
Melting point / Freezing point	No data available
Initial boiling point and Boiling range	Not applicable
Flammability	No data available
Upper / Lower flammability or Explosive limits	No data available

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Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	Not applicable
Kinematic viscosity	Not applicable
Solubility in water	Not applicable
Partition coefficient: n-Octanol/Water	No data available
Vapor pressure	Not applicable
Relative density / Density	No data available
Relative vapor density	Not applicable
Particle characteristics	No data available

•SECTION 10 – STABILITY AND REACTIVITY•

Reactivity:	No hazardous reactions are expected to occur.
Chemical stability:	Stable under normal conditions of use.
Hazardous reactions:	None expected.
Conditions to avoid:	Avoid generation of dusts along with heat, sparks, flames, and other ignition sources.
Incompatible materials:	Avoid strong oxidizing agents, strong acids, and strong bases.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Material combustion could produce carbon oxides, nitrogen oxides, or potentially toxic gases. Fire will result in dense black smoke and exposure to combustion products may harm your health.

•SECTION 11 – TOXICOLOGIAL INFORMATION•

Hazards associated with normal conditions of use.

Information on likely routes of exposure:	
Inhalation:	Do not breathe dusts or fumes. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause damage to the respiratory system through prolonged or repeated inhalation exposure.
Skin contact:	May cause an allergic skin reaction. May cause skin irritation in sensitive individuals.
Eye contact:	Causes serious eye irritation.
Ingestion:	May cause damage to kidneys, liver, or central nervous system through prolonged or repeated oral exposure.
Information on other toxicological effects:	
Carcinogenicity:	No data available.
Genotoxicity:	No data available.
Reproductive toxicity:	Suspected of damaging fertility or the unborn child.

•SECTION 12 – ECOLOGICAL INFORMATION•

Hazards associated with normal conditions of use.

Ecotoxicity:	May cause long lasting harmful effects to aquatic life.

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Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Mobility in general:	No data available.
Other adverse effects:	Avoid release to the environment.

•SECTION 13 – DISPOSAL CONSIDERATIONS•

Waste disposal of substance:	Dispose of contents and container in accordance with local, regional, national, and international regulations.

•SECTION 14 – TRANSPORT INFORMATION•

US Department of Transportation (DOT):	Not regulated
International Air Transport Association (IATA) / International Civil Aviation Organization (ICAO):	Not regulated
International Maritime Dangerous Goods (IMDG):	Not regulated

•SECTION 15 – REGULATORY INFORMATION•

US Federal Regulations:
This product as supplied is an “article” as defined at 40 CFR 704.3 and is exempt from regulation under EPA’s Toxic Substances Control Act (TSCA).
Prop 65 Status:
This product can expose you to chemicals including 1,4-dioxane and formaldehyde which is known to the State of California to cause cancer, and ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

•SECTION 16 – OTHER INFORMATION•

Refer to NFPA **660 Standard for Combustible Dusts and Particulate Solids**

DISCLAIMER: This SDS provides a brief summary of the physical and chemical characteristics of this product to guide usage and handling of the material. It is not a comprehensive document on worldwide hazard communication regulations. It is compiled from sources considered valid and accurate.

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----------**END of SDS**----------