



Safety Data Sheet

Acuitas® AMR Gene Panel u5.47 PCR Plate

SECTION 1: Identification of the substance or mixture

Product Code: CP3230
Product Name: Acuitas AMR Gene Panel u5.47 PCR Plate, for use as a laboratory chemical

Manufacturer or Supplier's Details

Company: OpGen, Inc
708 Quince Orchard Road
Gaithersburg, MD USA
+1 301 869 9683
technicalsupport@opgen.com

24-hour Emergency Response: ChemTel, Inc.
800-255-3924
Outside of the U.S. +1-813-248-0585

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification Not a hazardous substance or mixture

Signal Word: Not Hazardous

Health Hazards: Not Hazardous

Physical Hazards: Not Hazardous

Environmental Hazards: None

Hazard Statements: None

Precautionary Statements

Prevention Not Applicable

Response Not Applicable

Storage Not Applicable

Disposal Not Applicable

Other Hazards Not Applicable

HMIS

Health 0

Flammability 0

Reactivity 0



Safety Data Sheet

Acuitas® AMR Gene Panel u5.47 PCR Plate

SECTION 3: COMPOSITION OF INGREDIENTS

There are no hazardous ingredients present at or above the reporting threshold as defined in the United States 29 CFR 1910.1200 (OSHA) regulations. No components need to be disclosed according to applicable regulations.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

Skin contact	Wash off immediately with plenty of water for several minutes. If skin irritation persists, call a physician.
Eye contact:	Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion:	Clean mouth with water and drink plenty of water afterwards. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation:	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Most important symptoms and effects, both acute and delayed:	None
Notes to Physician:	Treat symptomatically.
Indication of any immediate medical attention and special treatment needed:	None

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Unsuitable extinguishing media:	No information available.
<u>Special hazards arising from the substance or mixture:</u>	Not Known
Advice for fire-fighters:	Wear self-contained breathing apparatus and protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Ensure adequate ventilation Always wear recommended Personal Protective Equipment. Use personal protection equipment See Section 12 for more detail.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and materials for containment and cleaning up:	Use personal protection equipment. Soak up with inert absorbent material.



Safety Data Sheet

Acuitas® AMR Gene Panel u5.47 PCR Plate

Reference to other Sections

See section 12 for more information

SECTION 7: HANDLING AND STORAGE

Precautions for safe Handling:

Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

Conditions for safe storage including any incompatibilities:

Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Specific end use(s):

For Laboratory Use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

This product does not contain any hazardous materials with occupational exposure limits established by the region regulatory bodies.

Engineering Measures:

None under normal use conditions.

Personal Protective Equipment:

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory Protection:

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand Protection:

Wear impervious gloves.

Eye Protection:

Wear safety glasses with side shields (or goggles).

Skin and Body Protection:

Lightweight protective clothing.

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls:

Prevent product from entering drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Form:	Dry Pellet	
Appearance:	No information available	
Odor:	No data available	
Odor Threshold:	No data available	
pH:	No data available	
Melting Point / Melting Range:	°C No data available	°F No data available
Boiling Point / Boiling Range:	°C No data available	°F No data available
Flash Point:	°C No data available	°F No data available
Autoignition Temperature:	°C No data available	°F No data available
Decomposition Temperature:	No data available	
Evaporation Rate:	No data available	



Safety Data Sheet

Acuitas® AMR Gene Panel u5.47 PCR Plate

Flammability (solid, gas):	No data available
Oxidizing properties:	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Relative density:	No data available
Specific Gravity:	No data available
Water Solubility:	No data available
Partition Coefficient: n-octanol/water:	No data available
Viscosity:	No data available
Explosive Properties:	No data available
Other Information:	No data available

SECTION 10: STABILITY AND REACTIVITY

Materials to avoid:	None known
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None known
Conditions to Avoid:	None under normal processing.
Polymerization:	Hazardous polymerization does not occur.
Hazardous Decomposition Products:	None under normal use conditions

SECTION 11: TOXICOLOGICAL INFORMATION

Product does not present an acute toxicity hazard based on known information.

Principle Routes of Exposure:

Irritation:	No data available.
Corrosivity:	No data available.
Sensitization:	No data available.
STOT – Single Exposure	No data available.
STOT – Repeated Exposure	No data available.
Carcinogenicity:	No data available.
Mutagenicity:	No data available.
Reproductive Toxicity:	No data available.



Safety Data Sheet

Acuitas[®] AMR Gene Panel u5.47 PCR Plate

Aspiration Hazard:

No data available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Mobility:	See log Pow.
Bioaccumulation:	No information available.
Biodegradation:	No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport Information

IATA / ADR / DOT-US /IMDG

UN Number:	None
UN Proper Shipping Name:	No dangerous goods in sense of these transport regulations.
Transport Hazard Class(es):	None
Packing Group	None
<u>Environmental Hazards:</u>	None
<u>Special Precautions for User:</u>	None
<u>Transport in Bulk According to Annex II of MARPOL 73-78 and the IBC Code:</u>	Not applicable

SECTION 15: REGULATORY INFORMATION

US Federal Regulations:

SARA 313:

Not Applicable

Massachusetts Right To Know Components:

No components are subject to the Massachusetts Right To Know Act.

Pennsylvania Right To Know Components:

D-Mannitol: CAS-NO. 69-65-8
Trehalose Dihydrate: CAS-NO. 6138-23-4

New Jersey Right To Know Components:

D-Mannitol: CAS-NO. 69-65-8
Trehalose Dihydrate: CAS-NO. 6138-23-4



Safety Data Sheet

Acuitas® AMR Gene Panel u5.47 PCR Plate

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

California Prop. 65 Components:

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

US State Regulations

Chemical Name	Massachusetts-RTK	New Jersey-RTK	Pennsylvania-RTK	Illinois-RTK	Rhode Island-RTK
D-Mannitol	-	Listed	Listed	-	-
Trehelose Dihydrate	-	Listed	Listed	-	-

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

SECTION 16: OTHER INFORMATION

Reason for Revision: New Document

Revision date: 13August2018

“The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE”

End of Safety Data Sheet