

SAFETY DATA SHEET: NU-POWER-II

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 APPLICABLE PART #: PC21901GL, PC21901QT, PC2190S, PC2190S2, PC219055GL, PC21905GL.

1.2 IDENTITY: NU-POWER-II

1.3 INTENDED USE: CLEANER / POLISH

1.4 SUPPLIER: Universal Photonics, Inc.
85 Jetson Lane
Central Islip, NY 11722

FOR INFORMATION CALL
CUSTOMER SERVICE: (516) 935-4000
DATE PREPARED: February 14, 2019

1.5 EMERGENCY CONTACT: Verisk 3E™ - ACCT # 3665 Access Code: 333748
EMERGENCY TELEPHONE NUMBER: Domestic: 1-866-519-4752 International: +1-760-602-8700

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF SUBSTANCE: RESPIRATORY STOT RE2: H373; RESPIRATORY STOT SE3: H335;
ASPIRATION TOXICITY 1: H304; SKIN IRRITATION 2: H315; EYE IRRITATION 2: H319;
AQUATIC CHRONIC 3: H412.

See Section 8 for individual components.

2.2 GHS LABEL ELEMENTS:



HAZARD PICTOGRAMS:

HAZARD SYMBOLS: GHS08 / GHS07 / GHS09

SIGNAL WORD: WARNING.

HAZARD STATEMENTS: H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335 – May cause respiratory irritation.
H373 – May cause damage to organs through prolonged or repeated exposure.
H412 – Harmful to aquatic life with long lasting effects.

PREVENTION PRECAUTIONARY STATEMENTS: P261: Avoid breathing dust/fumes/mist/vapors/spray.
P262: Do not get in eyes, on skin, or on clothing.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection.

Wear protective gloves. Wear eye protection to include splash goggles.
Wear protective clothing. Use with ventilation. Wash hands after handling.



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RESPONSE PRECAUTIONARY:
STATEMENTS:

P302 + P352: IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 + P315: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301 + P331 + P315: IF SWALLOWED: DO NOT induce vomiting. Get immediate medical advice/attention.

In the event of skin, eye, respiratory contact or ingestion, seek medical attention immediately.

STORAGE PRECAUTIONARY
STATEMENTS:

P404: Store in a closed container.

DISPOSAL PRECAUTIONARY
STATEMENT:

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 HAZARDS NOT OTHERWISE
CLASSIFIED:

None known.

2.4 UNKNOWN ACUTE TOXICITY:

None known.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

3.1 INGREDIENTS:

COMPONENTS	IDENTIFIER	CLASSIFICATION	WEIGHT %
STODDARD SOLVENT	(CAS #) 8052-41-3 (EC #) 232-489-3	ASPIRATION TOXICITY 1: H304, FLAMMABLE LIQUID 2: H226, SKIN IRRITATION 2: H315, EYE IRRITATION 1: H319, INHALATION (CNS) STOT RE 1: H372 AQUATIC CHRONIC 2: H411	30 - 40
SILICIUM DIOXIDE / KIESELGUHR	(CAS #) 61790-53-2 (EC #) 612-383-7	EYE IRRITATION, 2: H319 RESPIRATORY IRRITATION, STOT SE3: H335 ACUTE TOX 4; H402 RESPIRATORY (LUNGS) STOT RE2: H373	5 - 10
TRADE SECRET INFORMATION*	N/A	PROPRIETARY	>50

NOTE: *Non-regulated components are proprietary, confidential, and trade secret.



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SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

SKIN:	Remove soiled clothing and flush with soap and water.
EYES:	Flush with water for 20 minutes and remove contact lenses if safe to do. Immediately seek medical attention.
INHALATION:	Administer fresh air or oxygen.
INGESTION:	DO NOT induce vomiting. Immediately seek medical attention. If vomiting does occur, keep head low so that vomit does not enter the lungs. Maintain an open airway.

4.2 MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED:

SKIN CONTACT:	Will cause dryness, irritation and defatting upon prolonged contact.
EYE CONTACT:	Will cause serious eye irritation upon direct contact.
INHALATION:	Breathing high concentrations of sprayed mists will irritate nose and throat.
INGESTION:	Will cause serious gastric disturbances.
ENVIRONMENT:	None known.
CHRONIC:	None known.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

Immediately contact physician for further medical advice.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA:	Water spray, alcohol resistant foam, dry chemical, CO ₂ .
UNSUITABLE EXTINGUISHING MEDIA:	None.

5.2 SPECIFIC HAZARDS ARISING FROM THE MIXTURE:

FIRE HAZARD:	None.
EXPLOSION HAZARD:	None.
REACTIVITY:	None.
EXPOSURE HAZARDS:	Oxides of carbon, oxides of nitrogen.
UNUSUAL FIRE/EXPLOSION HAZARD:	None known.

5.3 SPECIAL PROTECTIVE EQUIPMENT: Wear full protective safety equipment as standard practice. In the event of fire, wear self-contained breathing apparatus.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

NON-EMERGENCY PERSONNEL: Wear appropriate personal protective equipment (PPE). Avoid contact with skin and eyes. Do not walk through spilled material. Provide ventilation with sufficient face velocity to maintain PEL below standard. Supplement with appropriate organic vapor & dust respirator when ventilation is inadequate.

EMERGENCY RESPONDERS: Take note of any special instructions in Section 8.

6.2 ENVIRONMENTAL PRECAUTIONS: Do not introduce material directly into natural waterways such as rivers, lakes, streams, etc. or drains and sewers.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP:

SMALL SPILL: Stop leak if safe to do so. Use inert absorbent material and dispose in proper chemical waste container or to approved waste treatment areas.

LARGE SPILL: Stop leak if safe to do so. Approach release from upwind. Prevent entry into sewers or natural waterways. Contain and collect with inert absorbent material and place in container for disposal according to local regulations (See Section 13). Dispose via a licensed waste disposal contractor.

6.4 REFERENCE TO OTHER SECTIONS: See Section 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING: Minimize exposure to vapors or dusts. Use recognized standard safety practices to include adequate ventilation. Handle with care to avoid contact. Wash with soap & water after handling. Use recognized standard safety practices. Provide sufficient air exchange and exhaust in work areas. Eyewash station should be in close proximity to work

7.2 CONDITIONS FOR SAFE STORAGE: When not in use, keep closure on container tightly closed. Store indoors. Keep away from heat and freezing conditions.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS: FOR INGREDIENTS:

COMPONENTS	COMPONENT IDENTIFIERS	WORKPLACE EXPOSURE LIMIT (WEL)				SUPPLEMENTAL EXPOSURE LIMIT VALUES	BASIS
		LTEL		STEL			
		PPM	MG/M3	PPM	MG/M3		
STODDARD SOLVENT	(CAS #) 8052-41-3 (EC #) 232-489-3	----	----	----	----	500 PPM TWA 100 PPM TWA	OSHA ACGIH
SILICIUM DIOXIDE / KIESELGUHR (CONTAINS <0.1% CRYSTALLINE SILICA)	(CAS #) 61790-53-2 (EC #) 612-383-7	----	----	----	----	6 Mg/M3	OSHA – TABLE Z-1 AIR CONTAMINENTS

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8.2 EXPOSURE CONTROLS:

CONTROL PARAMETERS:

General ventilation with adequate face velocity to control worker exposure to airborne contaminants below PEL. Supplement with NIOSH approved organic vapor cartridge respirator. Insure that emergency eyewash stations are in the immediate vicinity of any potential exposure.

ENGINEERING CONTROLS:

If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust or other engineering controls to keep worker exposure below any recommended or statutory limits.

PERSONAL PROTECTIVE CONTROLS:

HYGIENE MEASURES:

Wash hands, forearms and face thoroughly after handling product. Remove contaminated clothing and wash before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

SKIN PROTECTION:

Chemical-resistant, impervious gloves are recommended if exposure is prolonged—neoprene type. Inspect gloves on a routine basis for retention of properties. Personal protective clothing for the body should be selected based upon the task being performed.

EYES:

Avoid eye contact. Protective safety eyewear goggles are recommended to avoid exposure to liquid splashes, mists, and dusts or when working on overhead structures if direct contact is evident. Face shield is also recommended if splashing is evident.

RESPIRATORY:

Should vapors exceed permissible exposure limit (PEL), wear NIOSH-approved dust and organic vapor respirator.

8.3 PERSONAL PROTECTIVE EQUIPMENT (PPE):



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid, viscous
COLOR	Tan
ODOR:	Solvent odor
ODOR THRESHOLD	Not determined
PH	10.8 – 11.5
SOLUBILITY:	Dispersible
FLASH POINT:	62 °C / 142°F



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LOWER FLAMMABLE LIMIT	None
UPPER FLAMMABLE LIMIT	None
AUTOIGNITION TEMPERATURE	Not applicable
DECOMPOSITION TEMPERATURE	Not applicable
FLAMMABILITY:	Not applicable
SPECIFIC GRAVITY:	0.95 at 25°C
BOILING POINT (°F):	212 °F
VAPOR PRESSURE:	18 at 20°C
VAPOR DENSITY:	Greater than 1 (Air = 1)
MELTING POINT (°F):	Not applicable
FREEZING POINT	Not applicable
EVAPORATION RATE:	Less than 1 (Butyl Acetate = 1)
VISCOSITY:	Not applicable
PARTITION COEFFICIENT N-OCTANOL / WATER:	Not Determined

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY:	None.
10.2 CHEMICAL STABILITY:	Stable.
10.3 HAZARDOUS REACTIONS:	None.
HAZARDOUS POLYMERIZATION:	None.
10.4 CONDITIONS TO AVOID:	None.
10.5 INCOMPATIBLE MATERIALS:	Strong acid, alkali, oxidizing agents, bases.
10.6 HAZARDOUS DECOMPOSITION OF PRODUCTS:	Oxides of carbon.



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SECTION 11: TOXICOLOGICAL INFORMATION

NOTE: Primary route of entry is through inhalation with secondary route through skin.

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS: FOR INGREDIENTS:

STODDARD SOLVENT (CAS #) 8052-41-3	
LD50 Oral Rat	>5,000 mg/kg
LD50 Dermal Rabbit	>3,000 mg/kg
LC50 Inhalation Rat	13.1 mg/L, 4 HR.

SILICIUM DIOXIDE / KIESELGUHR (CAS #) 61790-53-2	
LD50 Oral Rat	1,000 mg/kg (ESTIMATE)
LD50 Dermal Rabbit	NO DATA
LC50 Inhalation Rat	NO DATA

ACUTE TOXICITY: FOR PRODUCT

LD50: Not determined.

SKIN: Not determined.

INHALATION: Not determined.

INGESTION: Not determined.

11.2 POTENTIAL ACUTE HEALTH EFFECTS:

SKIN: Irritation and drying during prolonged contact.

EYES: Will cause eye abrasion and irritation upon direct contact.

RESPIRATORY: Will irritate nose and throat when breathing high concentrations.

INGESTION: Will cause serious gastric disturbances.

SYMPTOMS AFTER CONTACT:

SKIN: Irritation, dryness, redness.

EYES: Pain, watering, burning.

RESPIRATORY: Irritation, asthmatic systems, dizziness.

INGESTION: Stomach pain, gastric disturbances.

11.3 CHRONIC HEALTH EFFECTS: None known.



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11.4 CARCINOGENICITY:

- NTP: No component is present at levels greater than or equal to 0.1% is identified as a carcinogen by NTP.
- IARC: No component is present at levels greater than or equal to 0.1% is identified as a carcinogen by IARC.
- OSHA: No component is present at levels greater than or equal to 0.1% is identified as a carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY: INFORMATION FOR INGREDIENTS:

STODDARD SOLVENT (CAS #) 8052-41-3	
LC50 Fish, Pimephales promelas	0.72 mg/L, 96 hr
EC50 Daphnia magna	0.36 mg/L, 48 hr

SILICIUM DIOXIDE / KIESELGUHR (CAS #) 61790-53-2	
LC50 Fish, Pimephales promelas	NO DATA
EC50 Daphnia magna	NO DATA

- 12.2 PERSISTENCE AND DEGRADABILITY: Not determined.
- 12.3 BIOACCUMULATIVE POTENTIAL: Not determined.
- 12.4 MOBILITY IN SOIL: Not determined.
- 12.5 RESULTS OF PBT and vPvB ASSESSMENT: Not determined.
- 12.6 OTHER ADVERSE EFFECTS: No known or other significant effects or critical hazards.

SECTION 13: DISPOSAL INFORMATION

- 13.1 WASTE TREATMENT METHODS: For small spills, contain all residues with inert absorbent material and dispose in chemical recycle container. For large spills, stop leak if safe to do so. Approach release from upwind. Dyke or dam area and vacuum all wet areas for recycle by a licensed waste disposal contractor. Avoid contact with soil, waterways, drains, and sewers unless such drains and sewers are fully compliant with the requirements of all authorities for disposal. Consult all federal, state, and local regulatory authorities for proper disposal.



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SECTION 14: TRANSPORTATION INFORMATION

REGULATORY INFORMATION	UN NUMBER	PROPER SHIPPING NAME	CLASSES	PACKING GROUP	LABEL	ADDITIONAL INFORMATION
DOT CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE
TDG CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE
ADR/RID CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE
IMDG CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE
IATA/IACO CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE

SECTION 15: REGULATORY INFORMATION

15.1 U.S. FEDERAL REGULATIONS:

OSHA HAZARD COMMUNICATION STANDARD:

Non-regulated.

TSCA:

All ingredients are listed on the TSCA inventory.

SARA (302/304):

Non-regulated, no reportable or EHS quantities.

SARA (311/312):

Acute health hazard.

SARA TITLE III (313):

This product contains the following chemicals subject to the reporting requirements of Section 313: None

OTHER REGULATORY STANDARDS:

Non-regulated per 29 CFR 1900.1000 - 1500, 40 CFR PART 261.3, 302.4, 355, 370, 372.

15.2 STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: This product contains the following chemicals known by the state of California to cause cancer, birth defects, or any other reproductive harm: NONE.

15.3 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:

U.S. OSHA 29CFR 1910.1000 - 1500

REGULATION (EC) 1907/2006 – REACH (ANNEX X1V)

EC REGULATIONS 1272/2008 – CLP

EH40 / 2005 – WORKPLACE EXPOSURE LIMITS (WHERE APPLICABLE)

CONTROL OF SUBSTANCE HAZARDOUS TO HEALTH – COSHH

DANGEROUS SUBSTANCES AND EXPLOSIVE ATMOSPHERE REGULATIONS – DSEAR



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REGULATION (EC) – REACH ANNEX (XIV) ARTICLE 59(10) AUTHORIZATIONS AND / OR RESTRICTIONS ON USE:
Contains the following REACH (SVHC) Candidate Substances: NONE.

REGULATION (EC) 2015/863 – RoHS
Contains the following RoHS Substances: NONE

NATIONAL REGULATIONS: Non-regulated per EINECS / ELINCS / DSL / NDSL / IECSC / ENS / ECL / PICCS.

SECTION 16: OTHER INFORMATION

HMIS RATING: Health 2, Flammability 2, Reactivity 0, Personal Protection H
NFPA RATING: Health 2, Flammability 2, Reactivity 0



DEFINITIONS:

ACGIH: American Conference of Governmental Industrial Hygienists
ADR/RID: International carriage of dangerous goods by road or rail
CLP: Classification, Labeling and packaging
DOT: Department of Transportation
EC: Commission Regulation (European Union)
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
IATA/IACO: International Air Transport Association / International Civil Aviation Organization
IMDG: International Maritime Dangerous Goods
LTEL: Long Term Exposure Limit
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
REACH: Registration, Evaluation, Authorization and Restriction (European Union)
SARA: Superfund Amendments and Reauthorization Act
STEL: Short Term Exposure Limit
SVHC: Substances of Very High Concern (European Union)
TDG: Transportation of dangerous goods -- Canada
WEL: Workplace Exposure Limit

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