

SAFETY DATA SHEET: NU-POWER-II

This Safety Data Sheet (SDS) complies with the requirements of Annex II of Regulation (EC) No. 1907/2006 of the European Parliament and of the Council and subsequent amendments.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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: March 19, 2021

1.5 EMERGENCY CONTACT: Verisk 3E™ - ACCT # 3665 Access Code: 333748
EMERGENCY TELEPHONE NUMBER: Domestic: 1-866-519-4752 International: +1-760-602-8700
HOURS OF OPERATION: 24 Hours / 7 Days per week

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF SUBSTANCE: RESPIRATORY STOT RE1; RESPIRATORY STOT SE3; SKIN IRRITATION 2;
OR MIXTURE UNDER CLP EYE IRRITATION 2A; MUTAGENIC 1B; CARCINOGENIC 1B; AQUATIC CHRONIC 2.

See Section 8 for individual components.

2.2 GHS LABEL ELEMENTS:



HAZARD PICTOGRAMS:

HAZARD SYMBOLS: GHS08 / GHS07

SIGNAL WORD: DANGER.

HAZARD STATEMENTS: H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H340: May cause genetic defects.
H350: May cause cancer.
H372: Causes damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.



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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.
 P284: In case of inadequate ventilation, wear respiratory protection.

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 + P315: IF SWALLOWED: Get immediate medical advice / attention.

P405: Store in a locked container.

STORAGE PRECAUTIONARY STATEMENTS:

P273 + P391 + P501: Avoid release to the environment. Collect spillage. Dispose of contents/container in accordance with local / regional / national / international regulations.

DISPOSAL PRECAUTIONARY STATEMENTS:

None known.

2.3 HAZARDS NOT OTHERWISE CLASSIFIED:

None known.

2.4 UNKNOWN ACUTE TOXICITY:

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 3: H226, SKIN IRRITATION 2: H315, EYE IRRITATION 2: H319, MUTAGENIC 1B; H340, CARCINOGENIC 1B: H350 INHALATION (CNS) STOT RE 1: H372, AQUATIC CHRONIC 2: H412	30 - 40
SILICIUM DIOXIDE / KIESELGUHR	(CAS #) 61790-53-2 (EC #) 612-383-7	ACUTE TOX 4; H302 EYE IRRITATION, 2: H319 RESPIRATORY IRRITATION, STOT SE3: H335 RESPIRATORY (LUNGS) STOT RE2: H373	5 - 10



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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:	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.
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

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:

ACUTE TOXICITY:	NO KNOWN EFFECT
SKIN CORROSION/IRRITATION:	CAUSES SKIN IRRITATION
SERIOUS EYE DAMAGE / IRRITATION:	CAUSES SERIOUS EYE IRRITATION
RESPIRATORY OR SKIN SENSITISATION:	NO KNOWN EFFECT
GERM CELL MUTAGENICITY:	MAY CAUSE GENETIC DEFECTS
CARCINOGENICITY:	MAY CAUSE CANCER
REPRODUCTIVE TOXICITY:	NO KNOWN EFFECT
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:	MAY CAUSE RESPIRATORY IRRITATION
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:	CAUSES DAMAGE TO RESPIRATORY SYSTEM THROUGH PROLONGED OR REPEATED EXPOSURE
ASPIRATION HAZARD:	NO KNOWN EFFECT

11.2 SYMPTOMS / ROUTES OF EXPOSURE:

SKIN: Irritation, dryness, redness. Dryness or cracking of skin during prolonged contact.

EYES: Causes severe irritation, pain, watering, burning, redness.

RESPIRATORY: Will irritate nose and throat when breathing concentrations of dust.

INGESTION: Will cause serious gastric disturbances.

11.2 CHRONIC HEALTH EFFECTS:

No known significant effects or critical hazards.



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SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY:

ECOTOXICITY VALUE: 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

This product is not identified as a PBT/vPvB substance.

12.6 OTHER ADVERSE EFFECTS:

No known or other significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

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.

Must be disposed of in accordance with local and national regulations. Arrange for collection by specialized disposal company. Contaminated packaging must be disposed of in the same way as the product.

EWC Waste code number: 12-01-99

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



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SECTION 14 (CONTINUED)

REGULATORY INFORMATION	UN NUMBER	PROPER SHIPPING NAME	CLASSES	PACKING GROUP	LABEL	ADDITIONAL INFORMATION
IMDG CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE
IATA/ICAO CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE	NONE

SECTION 15: REGULATORY INFORMATION

15.1 CHEMICAL SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE.

SPECIFIC REGULATIONS:

REGULATION (EC) No 1272/2008 – CLP
 EH40 / 2005 – WORKPLACE EXPOSURE LIMITS (WHERE APPLICABLE)
 CONTROL OF SUBSTANCE HAZARDOUS TO HEALTH – COSHH
 DANGEROUS SUBSTANCES AND EXPLOSIVE ATMOSPHERE REGULATIONS - DSEAR

REGULATION (EC) No 1907/2006 – REACH
 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**

15.2 CHEMICAL SAFETY ASSESSMENT: **Chemical safety assessments have not been performed for this product.**

SECTION 16: OTHER INFORMATION

THIS SAFETY DATA SHEET IS PREPARED IN ACCORDANCE WITH COMMISSION REGULATION (EC) NO 1907/2006.

FULL TEXT OF H-STATEMENTS AS MENTIONED IN SECTION 2 AND SECTION 3:

H226: Flammable liquid and vapor.
 H302: Harmful if swallowed
 H304: May be fatal if swallowed and enters airways.
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H335: May cause respiratory irritation.
 H340: May cause genetic defects.
 H350: May cause cancer.
 H372: Causes damage to organs through prolonged or repeated exposure.
 H373: May cause damage to organs through prolonged or repeated exposure.
 H412: Harmful to aquatic life with long lasting effects.



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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)
ECHA:	European Chemicals Agency
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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