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SECTION 1: PRODUCT & COMPANY IDENTIFICATION

1.0 APPLICABLE PART #: **PC22091GL, PC22091QT, PC220955GL, PC22095GL**

1.1 IDENTITY: **NU-GEAR-SC**

1.2 INTENDED USE: **Exterior Aircraft / Engine Component Cleaning Compound**

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

FOR INFORMATION CALL
CUSTOMER SERVICE: **(516) 935-4000**
DATE PREPARED: **March 16, 2016**

1.4 EMERGENCY TELEPHONE NUMBER: **1.866.519.4752** **3-E COMPANY - ACCT # 3665**

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF SUBSTANCE: **Not Applicable**

2.2 GHS LABEL ELEMENTS:

HAZARD PICTOGRAM: **None**

HAZARD SYMBOL: **Not Applicable**

SIGNAL WORD: **Not Applicable**

HAZARD STATEMENTS: **H316 – Causes mild skin irritation
H319 - Causes serious eye irritation**

PRECAUTIONARY STATEMENTS: **P233 - Keep container tightly closed
P262 - Do not get in eyes, on skin, or on clothing
P264 - Wash hands thoroughly after handling
P280 – Wear protective gloves/eye protection/protective clothing**

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

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

STORAGE: **Keep container tightly closed when not in use. Do not return spent material back to original container.**

DISPOSAL: **Dispose of waste in accordance with all regulatory agencies.**

2.3 HAZARDS NOT OTHERWISE CLASSIFIED: **None known**

2.4 UNKNOWN ACUTE TOXICITY: **None known**



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SECTION 3: COMPOSITION INFORMATION

COMPONENTS	CAS #	WEIGHT %
Trade Secret Information *	N/A	100

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

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 immediately seek medical attention.
INHALATION:	Administer fresh air or oxygen.
INGESTION:	Induce vomiting. Immediately seek medical attention urgently. Maintain an open airway.

4.2 MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE & DELAYED:

SKIN CONTACT:	May cause dryness & defatting.
EYE CONTACT:	Will cause moderate irritation upon direct contact.
INHALATION:	Breathing high concentrations may 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: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

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

5.2 SPECIFIC HAZARDS ARISING FROM THE MIXTURE:



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FIRE HAZARD:	None
EXPLOSION HAZARD:	None
REACTIVITY:	None
EXPOSURE HAZARDS:	Oxides of carbon.
UNUSUAL FIRE/EXPLOSION HAZARD:	None

5.3 SPECIAL PROTECTIVE EQUIPMENT: Wear full protective safety equipment as standard practice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

NON-EMERGENCY PERSONNEL:	Wear appropriate personal protection equipment (PPE). Avoid contact with skin & eyes. Do not walk through spilled material. Provide adequate ventilation. Wear 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 & 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 & Personal Protection.

SECTION 7: HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING: Use recognized standard safety practices. Handle with care to avoid contact.

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

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SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

See Section 8.2

8.2 EXPOSURE CONTROLS

CONTROL PARAMETERS:

General ventilation to control worker exposure to airborne contaminants. Ensure 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. 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 if to avoid exposure to liquid splashes, mists, and dusts or when working on overhead structures if direct contact is evident.

RESPIRATORY:

Should vapors exceed PEL, wear NIOSH approved dust & organic vapor respirator.

8.3 PERSONAL PROTECTIVE EQUIPMENT (PPE):



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:

Liquid

COLOR:

Yellow

ODOR:

Minimal



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ODOR THRESHOLD:	Not determined
PH:	11.8 – 12.4
SOLUBILITY:	Soluble in water
FLASH POINT:	212°F
LOWER FLAMMABLE LIMIT:	None
UPPER FLAMMABLE LIMIT:	None
AUTOIGNITION TEMPERATURE:	Not applicable
DECOMPOSITION TEMPERATURE:	Not applicable
FLAMMABILITY:	Not applicable
SPECIFIC GRAVITY:	1.015 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 & REACTIVITY

10.1 REACTIVITY:	None
10.2 CHEMICAL STABILITY:	Stable
10.3 HAZARDOUS REACTIONS:	None
HAZARDOUS POLYMERIZATION:	None



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10.4 CONDITIONS TO AVOID:	None
10.5 INCOMPATIBLE MATERIALS:	Strong acid, alkali, oxidizing agents
10.6 HAZARDOUS DECOMPOSITION OF PRODUCTS:	Oxides of carbon

SECTION 11: TOXICOLOGICAL INFORMATION

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

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:	Not classified.
SKIN:	Not established
INHALATION:	Not established
INGESTION:	Not established

11.2 POTENTIAL ACUTE HEALTH EFFECTS:

SKIN:	Possible irritation and drying during prolonged contact
EYES:	Will cause moderate irritation and cornea damage upon direct contact
RESPIRATORY:	May irritate nose & throat when breathing high concentrations
INGESTION:	Will cause serious gastric disturbances

SYMPTOMS AFTER CONTACT

SKIN:	Irritation, dryness, redness
EYES:	Pain, watering, burning, redness, moderate irritation
RESPIRATORY:	Irritation, asthmatic systems, dizziness
INGESTION:	Stomach pain, gastric disturbances

11.3 CHRONIC HEALTH EFFECTS: No known significant effects or critical hazards

11.4 CARCINOGENICITY:

NTP:	None
IARC:	None
OSHA:	None



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SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY:	Not determined.
12.2 PERSISTENCE & DEGRADABILITY:	Not considered to be a waste or environmental hazard. Biodegradable.
12.3 BIOACCUMULATIVE POTENTIAL:	Not determined
12.4 MOBILITY IN SOIL:	Not determined
12.5 OTHER ADVERSE EFFECTS:	No known 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 & sewers are fully compliant with the requirements of all authorities for disposal. Consult all Federal, State, & 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 CLASS	Not Applicable	Not Applicable	Not Applicable	Not Applicable	None	None
IMDG CLASS	Not Applicable	Not Applicable	Not Applicable	Not Applicable	None	None
IATA-DGR	Not Applicable	Not Applicable	Not Applicable	Not Applicable	None	None



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SECTION 15: REGULATORY INFORMATION

15.1 U.S. FEDERAL REGULATIONS:

OSHA HAZARD COMMUNICATION STANDARD:	Non-regulated
TSCA:	Non-regulated
SARA (302/304):	Non-regulated
SARA (311/312):	Non-regulated
SARA TITLE III:	This product contains the following chemical subject to the reporting requirements of Section 313: 2-Butoxyethanol (111-76-2) 5%.
OTHER REGULATORY STANDARDS:	Not regulated per 29 CFR 1900.1000 - 1500, 40 CFR PART 261.3, 302.4, 355, 370, 372

15.2 STATE REGULATIONS:

Non-regulated

15.3 INTERNATIONAL REGULATIONS:

Non-regulated per EINECS / ELINCS / DSL / NDSL / IECSC / ENS / ECL / PICCS

SECTION 16: OTHER INFORMATION

HMIS RATING: **Health 2, Flammability 0, Reactivity 0, Personal Protection B.**
NFPA RATING: **Health 2, Flammability 0, Reactivity 0**

DEFINITIONS:

DOT – **Department of Transportation**
GHS – **The Globally Harmonized System of Classification and Labeling of Chemicals**
HMIS – **Hazardous Materials Identification System**
NIOSH – **National Institute for Occupational Safety and Health**
NORM – **Natural Occurring Radioactive Materials**
IATA – **International Air Transportation Association**
IMO – **International Maritime Organization**
OSHA – **Occupational Safety & Health Administration**
TSCA – **Toxic Substance Control Act**

SDS Revision #: 7

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