



SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

PRODUCT NAME: neXSTGen™ Standard Monomer

ITEM ID: 20132, 20133, 20134

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2. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAMES:	CAS NUMBERS	%	EXPOSURE LIMITS
ETHYL METHACRYLATE	97-63-2	< 75.0	15 mg/m ³ NE 10 mg/m ³ NE NE
OTHER ACRYLIC MONOMERS	27813-02-1	< 23.0	NE NE NE NE NE
OTHER COMPONENTS PRESENT IN LESS THAN 1% CONCENTRATION			

This product does NOT contain MMA / Methyl Methacrylate.

3. HAZARD IDENTIFICATION

Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES

Effects of Exposure:

INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.

SKIN & EYES: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching,

Updated: 02/07/2019

irritation and watering.

May be irritating to skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated skin exposure.

INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system.

Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing.

Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea).

Symptoms of Overexposure: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.

Acute Health Effects: Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.

Chronic Health Effects: No long-term health effects are known.

Target Organs: Eyes, skin & respiratory system.

4. FIRST AID MEASURE

First Aid:

INGESTION: If ingested, do not induce vomiting! If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact Rocky Mountain Poison Control Center at 1-303-623-5716 or the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.

SKIN & EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. Seek immediate medical attention. If irritation occurs & product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with plenty of soap and water. Do not wear contaminated clothing until after it has been properly cleaned. If irritation, redness or swelling persists, consult a physician immediately.

INHALATION: Remove victim to fresh air at once. If breathing stops, perform artificial respiration. Seek immediate medical attention.

5. FIREFIGHTING MEASURES

Flashpoint & Method: 24°C (76°F) TCC

Flammability Limits: Lower Explosive Limit (LEL): 1.8% Upper Explosive Limit (UEL): NE

Fire & Explosion Hazards: This product is a flammable liquid. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO₂, NO_x).

Extinguishing Methods: Water, Foam, CO₂, Dry Chemical

Firefighting Procedures: First responders should wear eye protection. Structural fire fighters must wear full protective equipment and MSHA/NIOSH-approved self-contained breathing apparatus. If possible,

Updated: 02/07/2019

prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas. If necessary, rinse contaminated equipment with soapy water before returning to service. Avoid extinguishing methods that may generate dust clouds.

6. ACCIDENTAL RELEASE MEASURES

Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.

For small spills (e.g., <1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For spills \geq 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water

7. HANDLING & STORAGE INFORMATION

Work & Hygiene Practices: Avoid prolonged contact with this material. Limit inhalation of the vapors generated by this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap & water after using this product. Do not eat, drink, or smoke while handling this product.

Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level, stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. Keep away from children at all times!

Special Precautions: Local exhaust ventilation is recommended.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Eye Protection: Avoid eye contact. Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product.

Hand Protection: None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., > 1 gallon), wear rubber or plastic impervious gloves.

Updated: 02/07/2019

Body Protection: No apron required when handling small quantities. When handling large quantities (e.g., > 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soapy water.

9. PHYSICAL & CHEMICAL PROPERTIES

Density:	0.9135 (water=1)
Vapor Density: (air = 1) :	3.9 CALCULATED
Specific Gravity:	NE
Solubility In Water:	SLIGHT
Vapor Pressure, mmHg	NE
Melting Point:	NE
Boiling Point:	119°C (246°F)
Evaporation Rate:	NE
Appearance and Odor:	CLEAR VIOLET LIQUID WITH ACRYLIC ODOR

10. STABILITY & REACTIVITY

Stability: Relatively stable under ambient conditions when stored properly.

Hazardous Decomposition Products: If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon & nitrogen).

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks, flame.

Incompatible Substances: Strong oxidizers, peroxides or strong acids.

11. TOXICOLOGICAL INFORMATION

Toxicity Data: This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.

Acute Toxicity: See Section 3.5

Chronic Toxicity: No long-term health effects are known.

Suspected Carcinogen: NE

Reproductive Toxicity: None

Mutagenicity: This product is not reported to produce mutagenic effects in humans. However, animal mutation data available for the components of this product were obtained during clinical studies on specific animal tissues exposed to high doses of these components.

Embryotoxicity: This product is not reported to produce embryotoxic effects in humans.

Teratogenicity: This product is not reported to produce teratogenic effects in humans.

Reproductive Toxicity: This product is not reported to produce reproductive effects in humans.

Irritancy of Product: See Section 3.3

Updated: 02/07/2019

Biological Exposure Indices: NE
Physician Recommendations: Treat symptomatically.

12. ECOLOGICAL INFORMATION

Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds.

Effects on Plants & Animals: There is no specific data available for this product.

Effects on Aquatic Life: There is no specific data available for this product. Releases of large volumes may be harmful or fatal to overexposed aquatic life. Aquatic toxicity data for components of this product are available but are not presented in this MSDS.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with local, state and federal hazardous waste laws. U.S. EPA Characteristic Waste: D001 (flammable)

Special Considerations: U.S. EPA Characteristic Waste: D001 (flammable)

14. TRANSPORTATION INFORMATION

The basic description (proper shipping name, hazard class & division, ID Number, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

49 CFR (GROUND):

CONSUMER COMMODITY, ORM-D (≤ 5.0 L)

UN1993, FLAMMABLE LIQUID, N.O.S. (ETHYL METHACRYLATE STABILIZED), 3, II (> 5.0 L)

15. USER'S RESPONSIBILITY

A BULLETIN SUCH AS THIS CANNOT BE EXPECTED TO COVER ALL THE POSSIBLE INDIVIDUAL SITUATIONS. AS THE USER HAS THE RESPONSIBILITY TO PROVIDE A SAFE WORK PLACE, ALL ASPECTS OF AN INDIVIDUAL OPERATION SHOULD BE EXAMINED TO DETERMINE IF, OR WHERE, PRECAUTIONS, IN ADDITION TO THOSE DESCRIBED HEREIN, ARE REQUIRED. ANY HEALTH HAZARD AND SAFETY INFORMATION CONTAINED HEREIN SHOULD BE PASSED ON TO YOUR CUSTOMERS OR EMPLOYEES, AS THE CASE MAY BE. ST GEORGE TECHNOLOGY INC. MUST RELY ON THE USER TO UTILIZE THE INFORMATION WE HAVE SUPPLIED TO DEVELOP WORK PRACTICE GUIDELINES AND EMPLOYEE INSTRUCTIONAL PROGRAMS FOR THE INDIVIDUAL OPERATION AND REGULATIONS.

IMPORTANT: INFORMATION AND DATA HEREIN ARE BELIEVED TO BE ACCURATE AND HAVE BEEN COMPILED FROM SOURCES BELIEVED TO BE RELIABLE. IT IS OFFERED FOR YOUR CONSIDERATION, INVESTIGATION AND VERIFICATION. BUYER

Updated: 02/07/2019

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