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For laboratory and industrial use only.

Not for drug, food or household use.

Product	NASCOGuard® Humectant Concentrate 100% Propylene Glycol
Synonyms	Humectant

Section 2 Hazards Identification

Signal Word: WARNING

Pictograms: No symbol required

Target organs: Central nervous system



GHS Classification:

Acute toxicity, ingestion (Category 5)
Acute toxicity, dermal (Category 5)
Serious eye damage/eye irritation (Category 2B)
Acute toxicity, inhalation (Category 5)

GHS Label information: Hazard statement:

H303: May be harmful if swallowed
H313: May be harmful in contact with skin
H320: Causes eye irritation
H333: May be harmful if inhaled

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC)
– Not Known
Physical hazards not otherwise classified (PHNOC) – Not Known

Precautionary Statement(s):

P260: Do not breathe dust/fume/gas/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/face protection
P304+P312: IF INHALED: Call a POISON CENTER or doctor if you feel unwell
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do - continue rinsing.

Section 3 Composition / Information on ingredients

Chemical Name	CAS #	%	EINECS
Propylene Glycol	57-55-6	100	200-338-0

Section 4 First Aid Measures

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IN CONTACT WITH SKIN. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Protective Actions for Firefighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, well-ventilated area away from incompatible substances. Keep away from ignition sources.

Section 8 Exposure Controls / Personal Protection

Exposure Limits:

Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Humectant	Not established	Not established	Not established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or face shield, lab coat or apron, and appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

Section 9	Physical & Chemical Properties
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Appearance: Liquid. Colorless, oily Odor: Slight alcoholic odor Odor threshold: Data not available pH: Data not available Melting / Freezing point: -60° C (-76° F) - lit. Boiling point: >187°C (368°F) Flash point: 103° C (217° F) – closed cup	Evaporation rate (Ether = 1): >1 Flammability (solid/gas): Data not available Explosion limits: Lower / Upper: Lower explosion limit 2.6% (V) Upper explosion limit 12.5% (V) Vapor pressure (mm Hg): >0.08 Vapor density (Air = 1): >2.62 Relative density (Specific gravity): 1.036 g/cm ³ at 25° C (77° F) Solubility(ies): Infinitely soluble in water	Partition coefficient: Data not available Auto-ignition temperature: Data not available Decomposition temperature: Data not available Viscosity: Data not available Molecular formula: Mixture Molecular weight: Mixture
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Section 10	Stability & Reactivity
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Chemical stability: Stable

Hazardous polymerization: Will not occur.

Conditions to avoid: Excessive temperatures which cause evaporation.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products: Carbon oxides.

Section 11	Toxicological Information
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Acute toxicity: Propylene glycol: Oral-rat LD50: 20,000 mg/kg; Dermal-rabbit LD50: 20,800 mg/kg

Skin corrosion/irritation: Skin-human: mild skin irritation – 7d

Serious eye damage/irritation: Eyes-rabbit: mild eye irritation

Respiratory or skin sensitization: Data not available

Germ cell mutagenicity: Data not available

Carcinogenicity: Data not available

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity: Data not available

STOT-single exposure: Data not available

STOT-repeated exposure: Data not available

Aspiration hazard: Data not available

Potential health effects: Inhalation: May be harmful if inhaled. Ingestion: May be harmful if swallowed.

Skin: May be harmful in contact with skin. Eyes: Contact with eyes may cause irritation.

Signs and symptoms of exposure: Gastrointestinal disturbance, nausea, headache, vomiting, and central nervous system depression. Exercise appropriate procedures to minimize potential hazards.

Additional information: RTECS #: Propylene glycol: TY2000000

Section 12 Ecological Information

Toxicity to fish: Mortality NOEC – Pimephales promelas (fathead minnow) – 52,930 mg/l – 96 h

Toxicity to daphnia and other aquatic invertebrates: Mortality NOEC – Daphnia – 13,020 mg/l – 48 h;
EC50 – Daphnia magna (water flea) - > 10,000 mg/l – 48 h

Toxicity to algae: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

PBT and vPvB assessment: No data available

Other adverse effects: No data available

Section 13 Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14 Transport Information (US DOT / CANADA TDG)

UN/NA number: Not applicable

Shipping name: Not Regulated

Hazard class: Not applicable

Packing group: Not applicable

Reportable Quantity: No

Marine pollutant: No

Exceptions: Not applicable

2020 ERG Guide # Not applicable

Section 15 Regulatory Information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Propylene glycol	Listed	Not listed	Not listed	Listed	Not listed	Not listed

Section 16 Other Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

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