

Safety Data Sheet (SDS)

Section 1: Chemical Product and Company Identification

Cat# : 6518

Part Name: NoCount®
Radioactive Surface Decontaminant

Supplier: Decon Laboratories Inc.
460 Glennie Circle King of Prussia, Pa 19406
SDS Telephone # (610) 755-0800

Emergency Telephone Numbers

US Chemtrec: (800) 424-9300

Canada: (703) 527-3887

Identified uses: Laboratory use

Email Contact: cveloski@deconlabs.com

Section 2: Hazards Identification:

GHS Classification

Flammable Aerosol, Liquefied Gas, Eye Damage 1

Signal Word: DANGER



Hazard and Precautionary Statements

H302	Harmful if swallowed
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H280	Contains gas under pressure; may explode if heated
H318	Causes serious eye damage
P210	Keep away from heat, sparks, open flames and hot surfaces - no smoking.
P211	Do not spray on an open flame or other ignition source
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash thoroughly after handling.
P410	Protect from sunlight
P412	Do not expose to temperatures exceeding 50° C / 122° F
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician
P102	Keep out of reach of children

Section 3: Composition/ Information on ingredients

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Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Propane	1 - 5	74-98-6	Flam. Gas 1, H220 Liquefied gas; H280
Butane	1 - 5	106-97-8	Flam. Gas 1, H220 Liquefied gas; H280
tetrasodium ethylenediaminetetraacetate	1 - 2	64-02-8	Acute Tox. 4 (oral); H302 Eye Dam. 1; H318
polyethylene glycol octylphenyl ether	1 - 3	9036-19-5	Acute Tox. 4 (oral); H302 Eye Dam. 1; H318

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.:

- Ethylene glycol monobutyl ether, CAS No. 11-76-2 (1 - 5%)
- Ammonia, CAS No. 7664-41-7 (< 2%)
- d-Limonene, CAS No. 5989-27-5 (< 1%) - May cause an allergic skin reaction.

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

Section 4: First Aid Measures

Description of first aid measures

Inhalation	Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.
Skin Contact	Wash affected skin with soap and water. If symptoms develop, obtain medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms occur obtain medical attention.
Ingestion	Do not give anything by mouth to an unconscious person. Seek medical treatment.

Most important symptoms and effects, both acute and delayed
Indication of any immediate medical attention and special treatment needed

Contains: d-Limonene. May cause an allergic skin reaction.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Section 5: Fire-Fighting Measures

Extinguishing Media

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-Suitable Extinguishing Media	Extinguish with carbon dioxide, dry chemical, foam or water spray.
-Unsuitable Extinguishing Media	Do not use water jet.
Special hazards arising from the substance or mixture	Highly flammable vapor (flash point below 23°C).
Advice for fire-fighters	A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

Section 6: Accidental Release measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Personal precautions, protective equipment and emergency procedures	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Avoid breathing vapors.
Environmental precautions	Prevent liquid entering sewers, basements and work pits.
Methods and material for containment and cleaning up	Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
Reference to other sections	None
Additional Information	None

Section 7: Handling and Storage

Precautions for safe handling	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only.
Conditions for safe storage, including any incompatibilities	
-Storage temperature	Keep in a cool, well ventilated place. Store at temperatures not exceeding 50 °C / 122 °F.
-Incompatible materials	This product should be stored away from sources of strong heat or oxidizing chemicals.
Specific end use(s)	cleaning agent

Section 8: Exposure Controls/ Personal Protection

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OSHA (ACGIH) Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
n-Butane	106-97-8	-----	250 ppm	-----	-----	
Propane	74-98-6	1000 ppm	Aspyx.#	-----	-----	#
Ethylene glycol monobutyl ether	111-76-2	50 ppm (S)	20 ppm	-----	-----	(S)Skin
Ammonia	7664-41-7	50 ppm	25 ppm	-----	35 ppm	

*Assure minimum oxygen content of work atmosphere.

Recommended monitoring method

NIOSH 1403 (Alcohols IV), Electrochemical Sensor (Ammonia)

Exposure controls

Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)

Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber)

Respiratory protection

Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

None known

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance

Liquid

Color.

Colorless

Odor

Slight citrus

Odor Threshold (ppm)

Not available

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pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	-104 (Propane)
Evaporation Rate	Not available
Flammability (solid, gas)	Extremely flammable
Explosive Limit Ranges	2.1% - 9.5% v/v (Propane)
Vapor pressure (Pascal)	ca. 95×10^4 (Propane)
Vapor Density (Air=1)	ca. 1.56 @ 0 °C (Propane)
Density (g/ml)	0.966 (8.06 lb/gal)
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	450 (Propane)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	Not available

Section 10: Stability and Reactivity:

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition product(s)	None known

Section 11: Toxicological Information

Exposure routes: Inhalation, Skin Contact, Eye Contact

Acute toxicity	LD50 >5000 mg/kg-bw
Irritation / Corrosivity	Causes serious eye damage.
Sensitisation	Contains: d-Limonene. May cause an allergic skin reaction.

Section 12: Ecological Information

Aquatic toxicity:

Short term	Not available
Long Term	Not available

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state

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disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Section 14: Transportation Information

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	1950	1950	1950
Proper Shipping Name	Aerosols	Aerosols	Aerosols
Transport hazard class(es)	2.1	2.1	2.1
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

Section 14: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----

SARA 311/312 - Hazard Categories:

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	----	----

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Section 16: Other Information

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End of Safety Data Sheet