

Safety Data Sheet


Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

IDENTITY (as Used on Label and List): Revitalizer NanoPax™	RECOMMENDED USE: Restores hydrophobicity on various surfaces
--	---

Section I – Identification

Diamon-Fusion International, Inc.	For Emergencies: CHEMTREC – (800) 424-9300
9361 Irvine Boulevard	For Information: (949) 388-8000
Irvine, CA 92618	Date Prepared: June 2015

Section II – Hazard(s) Identification

Hazard Classification	Flammable Liquid – Category 3
Signal Word	Warning
Hazard Statement(s)	Flammable Liquid and Vapor
Pictogram(s)	
Precautionary Statement(s)	Keep away from heat, sparks, open flames, and hot surfaces and tightly closed at all time when not in use Store in cool and well-ventilated places Dispose of contents in accordance with all applicable local, regional, and/or national regulations
Hazards Not Otherwise Classified	None

Section III – Composition/Information on Ingredients

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS Number	% (optional)
Ethyl Alcohol	64-17-5	60 – 90
Isopropyl Alcohol	67-63-0	1 – 5
Trade Secret	N/A	5 – 10

Specific chemical identities and/or exact percentage (concentration) of some compositions have been withheld as a trade secret

Section IV – First Aid Measures

Necessary First Aid Measures

Eye contact	Avoid contact; if contact occurs, rinse thoroughly with water immediately and obtain medical attention if condition persists
Inhalation	Avoid breathing and vapor or mists; if inhalation occurs, move into fresh air and obtain medical attention if condition persists
Skin contact	Avoid contact; if contact occurs, thoroughly wash affected areas immediately with soap and water and obtain medical attention if condition persists
Ingestion	Do not ingest under any circumstances; if ingestion occurs, do not induce vomiting as this could be dangerous unless specifically directed by medical personnel. Wash mouth out with water and drink small amounts of water if conscious. Obtain medical attention if condition persists

Most Important Symptoms or Effects (Acute/Delayed)

Eye contact	None Known
Inhalation	None Known
Skin contact	None Known
Ingestion	None Known

Recommendations for immediate medical care and special treatment needed, if necessary

No specific recommendations/treatments	
Eye contact	None Known
Eye contact	None Known

Section V – Fire Fighting Measures

Extinguishing Equipment

Suitable Equipment	Dry chemical, CO ₂ , water spray or foam
Unsuitable Equipment	Water jet or water-based fire extinguishers

Other Information

Specific Hazards	Flammable Liquid and Chemical
Hazardous Decomposition Products	May include carbon monoxide/dioxide and metal oxide/oxides
Special Protective Recommendations	None
Special Protective Equipment Required	None

Section VI – Accidental Release Measures

Protective Equipment, Personal Precautions, and Emergency Procedures

Non-Emergency Personnel	Provide adequate ventilation; avoid inhalation of vapors
Emergency Personnel	No special precaution or procedures required
Environmental Precautions	Act in accordance with all applicable local, regional, and/or national regulations

Containment Measures/Clean-Up Procedures

Spills	See Section I for emergencies and Section XIII for waste disposal
--------	---

Section VII – Handling and Storage

Precautions for Safe Handling	Use protective equipment specified in Section VIII when using or transferring bulk quantities. Do not ingest or inhale and avoid contact with skin, eyes, and clothing. Use only with adequate ventilation. Eating, drinking, and smoking should not be done in areas where this material is handled, stored, and/or processed
Provisions for Safe Storage	Store in cool, dry location away from heat, sparks, open flame, or any other ignition source and separate from any oxidizing materials. Keep container tightly closed and sealed when not in use

Section VIII – Exposure Controls/Personal Protection

Permissible Exposure Limits

Ethyl Alcohol	ACGIH TLV (US, 3/2012): STEL 1000ppm; 15 minutes NIOSH REL (US, 6/2009): TWA 1900 mg/m ³ , 1000ppm; 10 hours OSHA PEL (US, 6/2010): TWA 1900 mg/m ³ , 1000ppm; 8 hours
Isopropyl Alcohol	ACGIH TLV (US, 3/2012): STEL 400ppm; 15 min; TWA 200ppm; 8 hrs. NIOSH REL (US, 6/2009): STEL 1225 mg/m ³ , 500ppm; 15 min; TWA 980 mg/m ³ , 400ppm; 10 hours OSHA PEL (US, 6/2010): TWA 980 mg/m ³ , 400ppm; 8 hours
Appropriate Engineering Controls:	No special procedures required

Personal Protective Measures

Eyes	No special protection required under normal use
Skin	No special protection required under normal use
Hygiene	Wash hands and other areas in contact thoroughly after handling
Respiratory	No special protection required under normal use

Section IX – Physical and Chemical Properties

Boiling Point	78 ^o C (172.4 ^o F)	Appearance and Odor	Foil-packaged towelette soaked with alcohol-based coating w/alcohol odor
pH	3	Flash Point	10 ^o C (50 ^o F) Closed Cup
Relative Density	0.79	Melting Point	Not Available
Vapor Pressure (mm Hg)	33	Solubility	Soluble in Water
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	Not Available
Auto-Ignition Temperature	Not Available	Decomposition Temperature	Not Available
Viscosity	Water	Evaporation Rate	Not Available
Flammability	Not Available	Upper/Lower Explosive Limits	Not Available
Freezing Point	Not Available	Partition Coefficient: n-octanol/water	Not Available

Section X – Stability and Reactivity

Reactivity	No specific test data available
Stability	Stable
Possibility of Hazardous Reactions	None under normal conditions and use
Conditions to be Avoided	Sources of ignition (e.g. sparks or flame)
Incompatible Materials	Oxidizing materials, acids, or alkalis
Hazardous Decomposition Products	None under normal conditions and use

Section XI – Toxicological Information

Likely Routes of Exposure	Ingestion, skin and eye contact
Immediate Effects of Short Term Exposure	None
Immediate Effects of Long Term Exposure	None
Chronic Effects of Short Term Exposure	None
Chronic Effects of Long Term Exposure	None
Symptoms Related to Exposure	No significant symptoms

Toxicity

Product/Ingredient Name	Result/Species	Dose	Exposure
Ethyl Alcohol	LC50 Inhalation Vapor/Rat	124700 mg/m ³	4 hours
	LD50 Oral/Rat	7 g/kg	--
Isopropyl Alcohol	LD50 Dermal/Rabbit	12800 mg/kg	--
	LD50 Oral/Rat	5000 mg/kg	--

Carcinogenicity

Product/Ingredient Name	OSHA	NTP	IARC
Isopropyl Alcohol	None	--	3

Section XII – Ecological Information

Toxicity	Not Available
Persistence/Degradation	Not Available
Bioaccumulation Potential	Not Available
Soil Mobility	Not Available
Other Adverse Effects	Not Available

Section XIII – Disposal Considerations

Disposal Methods/Recommendations	Follow all relevant national, regional, state, and/or local regulations
----------------------------------	---

Section XIV – Transport Information (DOT Classification)

UN Number	UN1993
UN Proper Shipping Name	FLAMMABLE LIQUIDS, N.O.S.
Transport Hazard Class(es)	3
Packing Group Number	II
Additional Information	Ship as CONSUMER COMMODITY-ORM-D
Special Precautions	None

Section XV – Regulatory Information

US Regulations	Not Determined
International Regulations	Not Determined

Section XVI – Other Information

Preparation/Revision Date	June 2015
Disclaimer	The information above is believed to be accurate and represents the best information currently available. No warranty, express or implied, is made and we assume no liability for its accuracy and/or completeness.