

Section 1 - Identification

Product Name: Breakdown (28130)

Envyss, LLC
 P.O. Box 907
 Blue Ridge, GA 30513
 770-723-7040

Emergency Phone: 800-535-5053

Product Use: Solvent Based Hard Surface Degreaser

Section 2 - Hazards Identification

GHS Ratings:

Flammable liquid	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Skin sensitizer	1	Skin sensitizer
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ≥ 20.5 mm ² /s at 40° C.

GHS Hazards

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P321	Specific treatment (see First Aid below or label)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P370+P378	In case of fire: Use Section 5 recommendations for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in conformance with State, Local, and Federal regulations.

Signal Word: Danger



Section 3 - Composition, Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Citrus, extract	94266-47-4	90.00% - 100.00%
Nonylphenol, ethoxylated	127087-87-0-6	5.00% - 10.00%

Section 4 - First Aid Measures

After inhalation: Supply fresh air; consult doctor in case of complaints. In case of unconsciousness place patient stably in side position for transportation.

After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.

Information for doctor: · Most important symptoms and effects, both acute and delayed Allergic reactions Irritant to skin and mucous membranes Dizziness Breathing difficulty .Gastric or intestinal disorders

Danger:

Danger of impaired breathing. Repeated exposure may cause skin dryness or cracking. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Danger of pulmonary edema. Danger of pneumonia.

Indication of any immediate medical attention and special treatment needed: If swallowed, gastric irrigation with added, activated carbon.

If swallowed or in case of vomiting, danger of entering the lungs. If necessary oxygen respiration treatment. Later observation for pneumonia and pulmonary edema. Treat skin and mucous membrane with antihistamine and corticoid preparations. Contains d-limonene. May produce an allergic reaction.

Section 5 - Fire Fighting Measures

Flash Point: 43 C (109 F)

LEL: 1.00

UEL: 6.00

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water. For safety reasons unsuitable extinguishing agents: Water stream.

Special hazards arising from the substance or mixture: Formation of toxic gases is possible during heating or in case of fire.

Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

Additional information: Eliminate all ignition sources if safe to do so. Cool endangered receptacles with water fog.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat.

Environmental precautions: Do not allow to enter sewers/ surface or ground water. Prevent from spreading (e.g. by damming-in or oil barriers).

Methods and material for containment and cleaning up: Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders). Pick up mechanically. Send for recovery or disposal in suitable receptacles.

Reference to other sections: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7 - Handling & Storage

Precautions for safe handling: Prevent formation of aerosols. Use only in well ventilated areas. Avoid splashes or spray in enclosed areas. Keep away from heat and direct sunlight. Rags, metal wools / cuttings / shavings and waste papers soaked with product must be placed in a sealed metal container rated for flammable waste.

Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Flammable gas-air mixtures may be formed in empty receptacles. The product forms flammable fumes when heated.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Provide ventilation for receptacles. Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents.

Further information about storage conditions: Keep receptacle tightly sealed. Protect from heat and direct sunlight.

Specific end use(s): No further relevant information available.

Section 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Citrus, extract 94266-47-4	Not Established	Not Established	Not Established
Nonylphenol, ethoxylated 127087-87-0-6	Not Established	Not Established	Not Established

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

Breathing equipment: Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. Use suitable respiratory protective device when aerosol or mist is formed. NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.

Limitation and supervision of exposure into the environment

Protective gloves: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: Nitrile rubber, NBR Neoprene gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

Body protection: Protective work clothing

Section 9 - Physical & Chemical Properties

Boiling Point 176 °C Color Lt. Yellow Specific Gravity 0.840 Odor Threshold N/A Boiling Range 349F Evaporation Rate .2 Solubility in Water Emulsifiable Flammability Exception Section 173.150 applies Partition coefficient: n- octanol/water N/A Decomposition temperature N/A	Appearance Clear Liquid pH N/A Odor Citrus Freezing Point -140F Flash Point 110F Vapor Pressure <2 Viscosity <=10 Upper/lower flammability 0.7; 6.1 Auto-ignition temperature N/A
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Section 10 - Stability & Reactivity

STABLE

Incompatible Materials to Avoid: Strong Oxidizing agents and strong acids, including acidic clays, peroxides, halogens, vinyl chloride, iodine pentafluoride.

Hazardous Decomposition Products: Oxides of d-limonene, which can result from improper storage and handling, are known to cause skin sensitization. No decomposition if stored properly.

Possibility of Hazardous Reactions: BHT, an antioxidant, can be added to prevent oxidation. Avoid long term exposure to air.

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Component Toxicity

CAS Number

Description

% Weight

Carcinogen Rating

Section 12 - Ecological Information

Component Ecotoxicity

Section 13 - Disposal Considerations

Section 14 - Transportation Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Terpene Hydrocarbons N.O.S. (containing d-Limonene)	2319	3	3
DOTMQ	Compound, Cleaning, Liquid, (Not Regulated) Limited Quantity exception Section 173.150 66 lbs.			

Section 15 - Regulatory Information

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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EU Risk Phrases

Safety Phrase

- None

Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	1
PERSONAL PROTECTION	D

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

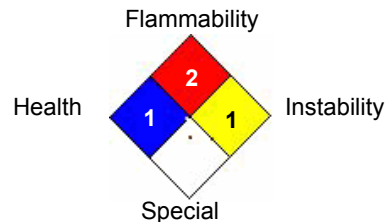
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision

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