

SAFETY DATA SHEET
GREEN LLAMA AUTO DISH TAB

Safety Data Sheet
Green Llama Auto Dish Tab

SDS Revision
Date: 03/19/2025

Section 1. Identification

Product identifier

Product Identity Green Llama Auto Dish Tab

Other means of identification Not Applicable

Relevant identified uses of the substance or mixture and uses advised against

See Technical Data Sheet.

Details of the supplier of the safety data sheet

Company Name Kem Tech Industries, LLC
N8076 Maple St
Ixonia, WI 53036

Emergency

24 hour Emergency Telephone No. Infotrac 1-800-535-5053 (USA),
1-352-323-3500 (Intl)

Customer Service: 1-262-567-8020

Section 2. Hazard(s) identification

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Skin corrosion/irritation category Causes skin irritation.
2;H315

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Serious eye damage / eye irritation,
category 1;H318

Causes serious eye damage.

Respiratory sensitization, category
1;H334

May cause allergy or asthma symptoms or breathing
difficulties if inhaled.

Label elements



Danger

H315 Causes skin irritation.

H318 Causes serious eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

[Prevention]:

P261 Avoid breathing dust, fume, gas, mist, vapors, spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves, eye protection, and face protection.

P284 In case of inadequate ventilation, wear respiratory protection.

[Response]:

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 Immediately call a POISON CENTER, doctor or physician.

P332+313 If skin irritation occurs: Get medical attention.

P342+311 If experiencing respiratory symptoms: Call a POISON CENTER, doctor or physician.

P362+364 Take off contaminated clothing and wash it before reuse.

[Storage]:

No GHS storage statements

[Disposal]:

P501 Dispose of contents or container in accordance with local and national regulations.

Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

Does not contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per US or Canadian regulations.

Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Sodium carbonate CAS Number: 497-19-8 Synonyms: No available information	30 - 60	Serious eye damage / eye irritation, category 2;H319	No data available
Sodium citrate CAS Number: 68-04-2 Synonyms: No available information	10 - 30	Not Classified	No data available

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Citric acid CAS Number: 77-92-9 Synonyms: 2-HYDROXY 1, 2, 3 PROPANE TRICARBOXYLIC ACID	10 - 30	Eye Dam. 2;H319 Specific target organ toxicity, Single exposure category 3;H335	No data available
Sodium percarbonate CAS Number: 15630-89-4 Synonyms: No available information	7 - 13	Acute toxicity(oral), category 4;H302 Serious eye damage / eye irritation, category 1;H318 (> 25%) Serious eye damage / eye irritation, category 2;H319 (> 10%) Oxidizing solid, category 2;H272	No data available
Poly (itaconic acid co AMPS, sodium salt). CAS Number: 1052620-22-0 Synonyms: No available information	7 - 13	Not Classified	No data available
Disodium metasilicate CAS Number: 6834-92-0 Synonyms: Silicic acid (H₂SiO₃), disodium salt, Sodium metasilicate	1 - 5	Skin corrosion/irritation category 1B;H314 Specific target organ toxicity, Single exposure category 3;H335	No data available
Amylase, .alpha.- CAS Number: 9000-90-2 Synonyms: No available information	1 - 5	Respiratory sensitization, category 1;H334	No data available
Proteinase CAS Number: 9001-92-7 Synonyms: No available information	1 - 5	Skin corrosion/irritation category 2;H315 Serious eye damage / eye irritation, category 2A;H319 Respiratory sensitization, category 1;H334	No data available

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		Specific target organ toxicity, Single exposure category 3;H335	
Acetamide, N,N'-1,2-ethanediylbis[N-acetyl- CAS Number: 10543-57-4 Synonyms: No available information	1 - 5	No Classification	No data available
Acetic acid, sulfo-, 1-dodecyl ester, sodium salt CAS Number: 1847-58-1 Synonyms: No available information	1 - 5	Acute toxicity(oral), category 4;H302 Acute toxicity(dermal), category 4;H312 Serious eye damage / eye irritation, category 1;H318 Specific target organ toxicity, Single exposure category 3;H335	No data available

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

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Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Overview No specific symptom data available.
No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details.

Inhalation May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Eyes Causes serious eye damage.

Skin Causes skin irritation.

Section 5. Fire-fighting measures

Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Avoid breathing dust, fume, gas, mist, vapors, spray.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

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Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Environmental precautions

Do not allow spills to enter drains or waterways.

Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

See section 2 for further details. - [Prevention]:

Conditions for safe storage, including any incompatibilities

Incompatible materials: Incompatible with acids, aluminum, phosphorous pentoxide, fluorine, lithium, and 2,4,6- Trinitrotoluene.

See section 2 for further details. - [Storage]:

Specific end use(s)

No available information

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Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
68-04-2	Sodium citrate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
77-92-9	Citric acid	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
497-19-8	Sodium carbonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
1847-58-1	Acetic acid, sulfo-, 1-dodecyl ester, sodium salt	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
6834-92-0	Disodium metasilicate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
9000-90-2	Amylase, .alpha.-	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

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9001-92-7	Proteinase	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
10543-57-4	Acetamide, N,N'-1,2-ethanediylbis[N-acetyl-	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
15630-89-4	Sodium percarbonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
1052620-22-0	Poly (itaconic acid co AMPS, sodium salt).	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Protective safety glasses recommended

Skin Avoid skin contact. Protective gloves recommended.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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See section 2 for further details.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Tablet
Color	White
Odor	Unscented
Melting point / freezing point	No available information
Initial boiling point and boiling range	No available information
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	No available information
Auto-ignition temperature	No available information
Decomposition temperature	No available information
pH	No available information
Viscosity (cSt)	No available information
Solubility in Water	Water Soluble
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapor pressure (Pa)	No available information
Relative Density	No available information
Vapor Density	No available information

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Evaporation rate (Ether = 1)

No available information

Other information

No other relevant information.

Section 10. Stability and reactivity

Reactivity

Hazardous Polymerization will not occur.

Chemical stability

Stable under normal circumstances.

Possibility of hazardous reactions

No available information

Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Incompatible with acids, aluminum, phosphorous pentoxide, fluorine, lithium, and 2,4,6-Trinitrotoluene.

Hazardous decomposition products

No hazardous decomposition data available.

Section 11. Toxicological information

Acute toxicity

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Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Sodium carbonate - (497-19-8)	2,800.00, Rat - Category: 5	> 2,000.00, Rabbit - Category: NA	No data available.	No data available.	No data available.
Sodium citrate - (68-04-2)	5,400.00, Mouse - Category: NA	> 2,000.00, Rat - Category: NA	No data available.	No data available.	No data available.
Citric acid - (77-92-9)	No data available.	> 2,000.00, Rat - Category: NA	No data available.	No data available.	No data available.
Sodium percarbonate - (15630-89-4)	1,164.00, Rat - Category: 4	>2,000.00, Rabbit - Category: 5	No data available.	No data available.	No data available.
Poly (itaconic acid co AMPS, sodium salt). - (1052620-22-0)	No data available.	No data available.	No data available.	No data available.	No data available.
Disodium metasilicate - (6834-92-0)	820.00, Mouse - Category: 4	> 5,000.00, Rat - Category: NA	No data available.	No data available.	No data available.

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Amylase, .alpha.- - (9000-90-2)	No data available.	No data available.	No data available.	No data available.	No data available.
Proteinase - (9001-92-7)	No data available.	No data available.	No data available.	No data available.	No data available.
Acetamide, N,N'-1,2-ethanediylbis[N-acetyl- - (10543-57-4)	No data available.	No data available.	No data available.	No data available.	No data available.
Acetic acid, sulfo-, 1-dodecyl ester, sodium salt - (1847-58-1)	No data available.	No data available.	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
68-04-2	Sodium citrate	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
77-92-9	Citric acid	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
497-19-8	Sodium carbonate	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
1847-58-1		OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;

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	Acetic acid, sulfo-, 1-dodecyl ester, sodium salt	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
6834-92-0	Disodium metasilicate	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
9000-90-2	Amylase, .alpha.-	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
9001-92-7	Proteinase	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
10543-57-4	Acetamide, N,N'-1,2-ethanediylbis[N-acetyl-	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
15630-89-4	Sodium percarbonate	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
		OSHA	Regulated Carcinogen: No;

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1052620-22-0	Poly (itaconic acid co AMPS, sodium salt).	NTP	Known: No; Suspected: No;	
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;	
		ACGIH	No Established Limit	
Classification		Category	Hazard Description	
Acute toxicity (oral)		---	Not Applicable	
Acute toxicity (dermal)		---	Not Applicable	
Acute toxicity (inhalation)		---	Not Applicable	
Skin corrosion/irritation		2	Causes skin irritation.	
Serious eye damage/irritation		1	Causes serious eye damage.	
Respiratory sensitization		1	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Skin sensitization		---	Not Applicable	
Germ cell mutagenicity		---	Not Applicable	
Carcinogenicity		---	Not Applicable	
Reproductive toxicity		---	Not Applicable	
STOT-single exposure		---	Not Applicable	
STOT-repeated exposure		---	Not Applicable	
Aspiration hazard		---	Not Applicable	

Possible routes of entry: No available information

Symptoms and effects, both acute and delayed:

No specific symptom data available.

No chronic toxicity or long term toxicity information available. Treat symptomatically.

Eyes Causes serious eye damage.

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Skin Causes skin irritation.

Section 12. Ecological information

Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Sodium carbonate - (497-19-8)	300.00, Lepomis macrochirus	227.00, Ceriodaphnia sp.	100.00, Algae
Sodium citrate - (68-04-2)	No data available.	> 50.00, Dreissena polymorpha	No data available.
Citric acid - (77-92-9)	600.00, Leuciscus idus	2,083.00, Daphnia magna	No data available.
Sodium percarbonate - (15630-89-4)	70.70, Fish	4.90, Daphnia magna	150.00, Algae
Poly (itaconic acid co AMPS, sodium salt). - (1052620-22-0)	No data available.	No data available.	No data available.
Disodium metasilicate - (6834-92-0)	260.00, Oncorhynchus mykiss	33.53, Ceriodaphnia dubia	400.00, Pseudokirchneriella subcapitata
Amylase, .alpha.- - (9000-90-2)	No data available.	No data available.	No data available.
Proteinase - (9001-92-7)	No data available.	No data available.	No data available.
Acetamide, N,N'-1,2-ethanediylbis[N-acetyl- - (10543-57-4)	No data available.	No data available.	No data available.

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Acetic acid, sulfo-, 1-dodecyl ester, sodium salt - (1847-58-1)	No data available.	No data available.	No data available.
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Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

No available information

Mobility in soil

No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

Other adverse effects

No available information

Section 13. Disposal considerations

Waste treatment methods

Observe all federal, provincial and local regulations when disposing of this substance.

Section 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	Not Regulated	Not Regulated	Not Regulated

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UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
Transport hazard class(es)	Class: Not Applicable Sub Class: Not Applicable	Class: Not Applicable Sub Class: Not Applicable	Class: Not Applicable Sub Class: Not Applicable
Packing group	Not Applicable	Not Applicable	Not Applicable

Environmental hazards

Marine Pollutant: No;

Special precautions for user

No available information

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0010543-57-4	Acetamide, N,N'-1,2-ethanediylbis[N-acetyl-	Yes	Present	
0001847-58-1	Acetic acid, sulfo-, 1-dodecyl ester, sodium salt	Yes	Present	
0009000-90-2	Amylase, .alpha.-	Yes	XU	ACTIVE

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0000077-92-9	Citric acid	Yes		ACTIVE
0006834-92-0	Disodium metasilicate	Yes	Present	
0000764-71-6	Octanoic acid, potassium salt	Yes	Present	
1052620-22-0	Poly (itaconic acid co AMPS, sodium salt).	Yes	PMN; XU	ACTIVE
0009001-92-7	Proteinase	Yes	XU	ACTIVE
0112926-00-8	Silica gel, precipitated	Yes		
0000497-19-8	Sodium carbonate	Yes	Present	
0000068-04-2	Sodium citrate	Yes		ACTIVE
0015630-89-4	Sodium percarbonate	Yes		ACTIVE

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16. Other information

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

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