


Safety Data Sheet

SECTION 1: Identification

Identifier Code(s):	TMSTGCG
Product Name:	Medama T&G Cleaner
Manufactured By:	Medama Solutions 1365 61st Street Brooklyn, NY 11219 (718) 492-7200 E-Mail: info@acejan.com
Product Use:	Biodegradable institutional floor finish remover/stripper, as classified under Consumer Goods Regulations
Restrictions for Use:	Application and sale for Institutional/Commercial use only. Not for retail sale.
Emergency Contact Information	INFOTRAC 1-800-535-5053 Outside US and Canada 1-352-323-3500 NOTE: INFOTRAC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

SECTION 2: Hazard(s) Identification

Hazard Classification:	Mixture
Hazard Category	Category 4
Signal Word:	Warning
Symbol(s) of Product:	
Hazard Statement(s):	May be harmful if swallowed Causes skin irritation Causes eye irritation May cause respiratory irritation
Precautionary Statement(s):	Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water. If skin irritation occurs. Get medical advice/attention.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
P305+P351+P338+P337+ P313	IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition / Information on Ingredient(s)

Hazardous Ingredients	CAS Number	% WT	GHS Classification

Proprietary Mixture	Trade Secret	<13%	Cat 4 Harmful if swallowed; Cat 4 Harmful if inhaled; Cat 2B causes eye irritation
Proprietary Solvent	Trade Secret	<9%	Cat 4 Flammable liquid
2-dimethylaminoethanol	108-01-0	<4%	Cat 4 Harmful if swallowed; Cat 3 Toxic if inhaled; Cat 4 Acute toxicity dermal; Cat 4 Skin irritation; Cat 1 Serious eye damage; Cat 3 Flammable; Cat 3 Acute aquatic toxicity; Cat 1B Skin corrosion.
Surfactant	Trade Secret	<14%	Cat 4 Harmful if swallowed; Cat 2A Serious Eye Irritation; Cat 2 skin irritation; Cat 2 Acute aquatic toxicity; Cat 3 Acute aquatic toxicity, long term

Mixture content percentage of unknown toxicity: 0%

SECTION 4: First-Aid Measures

Description of First-Aid Measures

Move to safe area. Treat symptomatically. If you feel unwell, seek medical advise immediately. No action shall be taken involving any personal risk or without suitable training.

Inhalation	If signs of dizziness; remove the affected person to fresh air. If symptoms persist; seek medical attention.
Skin Contact	Remove contaminated clothing. Thoroughly flush and wash affected area with soap and water. Launder contaminated clothing before reuse. If irritation persists, seek medical attention. Wash affected clothing before reuse.
Eye Contact	Rinse eyes under running water immediately. Check for and remove contact lenses, if found. Continue to flush eyes under clean clear running water for 15 minutes while holding eyes open. Lift eyelids periodically when rinsing. If irritation persists, seek medical attention.
Ingestion	Rinse mouth out with water. Do not swallow rinse. Give two glasses of water for dilution. DO NOT induce vomiting. Never give anything by mouth to an unconscious person; seek medical attention.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in Section 2 and/or Section 11.

SECTION 5: Fire-Fighting Measures

Suitable Extinguishing Media	Use NFPA Class B Fire Extinguishers; carbon dioxide, all purpose dry chemical, water, water fog, or chemical foam; polymer foam is preferred for large fires. Product is not considered flammable or combustible by WHMIS/OSHA criteria.
Hazards Developed due to Fire	None known
Advice for Firefighters	Firefighters should wear self-contained breathing apparatus. Floor may become slippery if material is released, caution is advised.

SECTION 6: Accidental Release Measures

Personal Precautions and Protective Equipment	Use protective equipment; gloves, eye protection, and shoe covers.
Emergency Procedures	Protect area from further release of spread. This product does not pose any threat to area personnel.
Material Containment	Prevent further spread of product to surrounding area(s), including into drains.
Clean-up Procedures	Use absorbent materials to mop up spill. This product is biodegradable. Use large amounts of water to dilute concentration. Clean up residue with water. This product is biodegradable. See section 8 for personal protection.

SECTION 7: Handling and Storage

Precautions for Handling	Avoid contact with skin and eyes. Do not swallow. Handle container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking. See Section 2 for precautions.
Safe Storage	Do not store in extremely high temperatures, above 115°F (46°C). Do not store in area below 32°F (0°C). Keep out of the reach of children. Keep container tightly closed. Keep away from food, drink animal feeding stuffs. Protect containers from abuse.

SECTION 8: Exposure Controls / Personal Protection

Substance	Results	ACGIH	NIOSH	OSHA	WEEL
Proprietary Solvent	STELs				
	TWAs				225 ppm

Key to Abbreviations:

STEL= Short Term Exposure Limits based on 15-minute exposures

TWA= Time-Weighted Average based on 8h/day, 40h/week

ACGIH= American Conference of Government Industrial Hygiene

NIOSH= National Institute of Occupational Safety and Health

WEEL= Workplace Environmental Exposure Levels

OSHA= Occupational Safety and Health Administration

Engineering Controls	Handle and apply / use product in a work area with good airflow. Avoid unventilated areas. Use fans when necessary.
Personal Protective Measures	
Eye/Face Protection	Use ANSI, NIOSH or European Standard EN166 approved safety glasses.
Skin Protection:	Impervious gloves recommended for general protection. Nitrile gloves are appropriate.
Respiratory Protection:	Not necessary
General Hygiene Considerations:	Handle according to established industrial hygiene and safety practices. Avoid contact with eyes and skin. Thoroughly wash after handling and before eating or drinking. There are no known hazards associated with this material when used as recommended.

SECTION 9: Physical and Chemical Properties

Physical State:	Liquid
Color:	Translucent white
Viscosity:	semi-paste
Solubility:	Soluble in water

Relative Density / Specific Gravity:	1.03
Odor:	Mild
Vapor Density (Air=1)	Heavier than Air
pH :	9.0-9.3
Melting / Freezing Point:	Not Established
Boiling Point and Range:	Not Established
Flashpoint:	Not Established
Evaporation Rate:	Not Established
Volatile Organic Compounds (VOC):	<9.0 % Consumer Goods Regulations

SECTION 10: Stability and Reactivity

Reactivity:	No anticipated hazards.
Chemical Stability:	Stable. No known instability under normal storage conditions.
Other:	
Hazardous Decomposition or By-Products	Decomposition will not occur if handled and stored properly. In case of a fire, carbon dioxide and carbon monoxide and smoke may be produced.
Possible Hazardous Reactions:	None Known
Conditions to avoid	Extreme temperatures will cause shortened shelf life of product.
Incompatible Materials	Non-water miscible substances.

SECTION 11: Toxicological Information

Acute Toxicity

Substance	LC50 - Inhalation - PPM	LD50 - ORAL mg/kg	LD50 - DERMAL mg/kg
2-dimethylaminoethanol	1641/4h - Rat (male)	1182.7 - Rat (m/f)	1219 - Rabbit
Surfactant	No Data Available	>550 - Rat	> 2000 - Rat

Chronic Effects

Substance	Skin Corrosion / Irritation	Eye Irritation / Damage	Respiratory or Skin sensitization	Germ Cell Mutagenicity	Target Organs	Carcinogen or Potential
Proprietary mixture	Rabbit 4h No irritation	Rabbit - no irritation	no data	none found	none known	none known
2-dimethylaminoethanol	Corrosive - 1h - Rabbit	Corrosive - 1h - Rabbit	Buhler Test - Guinea pig - NO skin sensitization	negative	mucous membrane / respiratory	none known
Surfactant	moderate irritation	brief irritation	none - Guinea pig	none found	unknown	none known

SECTION 12: Ecological Information

Aquatic and or Terrestrial Organism Tests Toxicity Tests

Substance	Test	Species	Results - mg/l hr.
2-Dimethylaminoethanol	LC50	Leuciscus idus	100-220 mg/l 96hr
	LC50 Static	Leuciscus idus	146.63 mg/a 96hr
	EC50 Static	Desmodesmus subspicatus	66.08 mg/l 72hr
	EC50 Static	Daphnia magna	98.37 mg/l 48hr
Surfactant	LC50	Fish	5.6 / 96h
	EC50	algae	5.6 / 72h
	EC50	Water flea	2.8 / 48h

Persistence and Degradability

Substance	Test	Type	Duration or Dose	Result	Class
2-Dimethylaminoethanol			14 d	60.5%	Readily BOD
Proprietary solvent			28 d	31.0%	Inherently BOD
Surfactant			28 d	60.0%	Readily BOD

Bioaccumulative Potential - According to data on the substances, not potentially bioaccumulative

No data available

Potential to Move from Soil to Groundwater

No data available

Other Adverse Effects

Substance	Test	Type	Results	Sample Organism Tested	Reference for Ecological Effect
No other data available					

SECTION 13: DISPOSAL CONSIDERATIONS

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste compliance with applicable laws are the responsibility solely of the waste generator. This is a biodegradable product and is not hazardous for wastewater. See Section 8 for information on appropriate personal protective equipment.

SECTION 14: TRANSPORTATION INFORMATION

Transport Hazards Class(es) Not dangerous goods

IMDG Code (Environmental Hazards) Not dangerous goods

IATA Not dangerous goods

SECTION 15: Regulatory Information

OSHA Hazard Communication Standard (CFR29 1910.1200) NOT Hazardous Chemical

CERCLA - Comprehensive Response None
Compensation and Liability Act:

TSCA - Toxic Substances Control Act: All components of this product and on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

Superfund Amendments and Reauthorization Act of 1986 Title III

SARA Section	313	302	311/312
2-Dimethylaminoethanol	No	No	Fire Hazard / Acute Health Hazard, Chronic Health Hazard
Proprietary Solvent	No	No	Chronic Health Hazard
Surfactant	No	No	Acute health hazard

State Right-to-Know:

Substance	California Prop 65	Massachusetts	New Jersey	PA
2-Dimethylaminoethanol	No	Yes	Yes	Yes
Proprietary Solvent	No	No	Yes	Yes

SECTION 16: Other Information

Date of Original May 1, 2018

Revision Date NEW

Reason for Revision

Notice to the Reader

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third party/persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.