SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Euro Green Art - Flo (Medium)
Product No. 409-405,409-406,409-407 Part B

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

No further relevant information available.

1.3. Details of the supplier of the safety data sheet

Supplier Potterycrafts Ltd.,
Campbell Road,
Stoke on Trent
ST4 4ET.
Tel 44 (0)1782 745000
sales@potterycrafts.co.uk

1.4. Emergency telephone number

+44(0)1782 745000 (Office Hours 10:00-15:30)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

Acute Tox.4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic.3 H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GP CLP regulation.

Hazard pictograms


GHS09 GHS07

Signal word – Danger

Hazard-determining components of labelling:

3-aminomethyl-3,5,5-trimethylcyclohexylamine Poly(oxypropylene)diamine

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dusts or mists.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 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/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3. Other hazards

Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

· **Dangerous components:**		
CAS: 2855-13-2 EINECS: 220-666-8 Reg.nr.: 01-2119514687-32	3-aminomethyl-3,5,5-trimethylcyclohexylamine  Skin Corr. 1B H314;  Acute Tox.4 H302; Skin Sens. 1 H317 ATE: LD50 oral 1,030 mg/kg Specific concentration limit: Skin Sens. 1 H317: C≥0.001%	25-50%
CAS: 25265-71-8 EINECS: 246-770-3	Dipropylene glycol (isomer unspecified) substance with a Community workplace expouse limit	25-50%
CAS: 9048-10-0	Poly(oxypropylene)diamine	5%

Reg.nr.: 01-2119557899-12	 Skin Corr. 1B, H314; Eye Dam. 1, H318;  Aquatic Chronic.2, H411  Acute Tox.4, H302; Acute Tox.4, H312	

CAS: 41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	0.1-<0.25%
	Aquatic Acute 1, H400; Skin Sens. 1, H317	

Additional information

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

Skin contact

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

Eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

Ingestion

Call for a doctor immediately.
Drink plenty of water and provide fresh air.

4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available

4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

For safety reasons unsuitable extinguishing agents

Water with full jet

5.2. Special hazards arising from the substance or mixture

In case of fire, the following can be released

Nitrogen oxides (NOx) Carbon monoxide (CO) Carbon dioxide

5.3. Advice for firefighters

Protective equipment

Wear self-contained respiratory protective device.

Additional information

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

6.2. Environmental precautions

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

6.4. 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 AND STORAGE

7.1. Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.

Use only in well-ventilated areas.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Keep container tightly closed and dry and storage in a good, ventilated room.

Storage temperature: 20 - 25 °C.

Information about storage in one common storage facility:

Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

Store away from foodstuffs.

Further information about storage conditions:
Keep container tightly sealed.

Storage class: 8A

7.3. Specific end use(s)

Denomination of Origin	Made in Germany
Processing information	Homogenize content before use
General remark	For processing instructions see data sheet

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace: **2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine**	
MAK (Germany)	als Dampf und Aerosol;vgl.Abschn.IIb
25265-71-8 Dipropylene glycol (isomer unspecified)	
AGW (Germany)	Long-term value: 100 E mg/m³ 2(II);DFG, Y, 11

DNELs		
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Oral	DNEL Long-term - systemic effects	24 mg/kg bw/day (General population)
Dermal	DNEL Long-term - systemic effects	51 mg/kg bw/day (General population)
		84 mg/kg bw/day (workers)
Inhalative	DNEL Long- exposure - local effects	70 mg/m³ (General population)
		238 mg/m³ (workers)

PNECs		
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Inhalative	DNEL Long-term - systemic effects	70 mg/m³ (General population)
		238 mg/m³ (workers)

PNEC STP	3.18 mg/L (sewage plant)
PNEC sediment	5.784 mg/kg (freshwater- sediment)
PNEC soil	0.578 mg/kg (seawater - sediment)
PNEC	1.121 mg/kg (soil (Boden))
PNEC Secondary poisoning	0.06 mg/l (freshwater)
25265-71-8 Dipropylene glycol (isomer unspecified)	
PNEC STP	1,000 mg/L (sewage plant)
PNEC sediment	0.238 mg/kg (freshwater- sediment)
PNEC soil	0.024 mg/kg (seawater - sediment)
	0.025 mg/kg (soil (Boden))
PNEC	0.1 mg/l (freshwater)
	0.01 mg/l (marine water)
PNEC Secondary poisoning	1 mg/l (intermittent releases)
	313 mg/kg (food)

Additional information: The lists valid during the making were used as basis.

8.2. Exposure controls

Appropriate engineering controls

No further data; see section 7

Protective equipment

Individual protection measures, such as personal protective equipment, General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory equipment

With a potential to exceed exposure limits respiratory protection should be worn. If there are no applicable exposure limit, when adverse effects such as respiratory irritation or discomfort, or if it is indicated by the risk assessment process, respiratory protection must be worn. In most cases, no respiratory protection is required. However, the material is heated or sprayed, use an approved air-purifying respirator. Following CE approved air-purifying respirator use:
Combination filter for organic gases and vapors with a particle filter, type AP2.
Not necessary if room is well-ventilated.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Not necessary if room is well-ventilated.

Hand protection

Chemicals protective gloves according to DIN EN 374 with CE marking


Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times rates of diffusion and the degradation.

Material of 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

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


Tightly sealed goggles

Body protection

Protective work clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Fluid
Colour:	Blue
Odour:	Amine-like
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined
Boiling point or initial boiling point and boiling range	
	227 °C (25265-71-8 Dipropylene glycol (isomer unspecified))
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	2.9 Vol % (25265-71-8 Dipropylene glycol (isomer unspecified))
Upper:	12.6 Vol % (25265-71-8 Dipropylene glycol (isomer unspecified))
Flash point:	117 °C (2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine)
Auto-ignition temperature:	315 °C
Decomposition temperature:	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity	Not determined
Dynamic at 20 °C:	200 mPas
Solubility	
Water:	Insoluble
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	
	0 hPa (2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine)
Density and/or relative density	
Density at 20 °C:	0.95 g/cm³
Relative density	Not determined
Vapour density	Not determined

9.2. Other information

Appearance:	
Form:	Liquid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not self-igniting
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
VOC (EC)	0.0 g/l
Change in condition	
Evaporation rate	Not determined
Information regarding physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void

Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

Reaction with epoxies and isocyanates.

10.4. Conditions to avoid

Moisture. Heat, open flames and other ignition sources. With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen. Detail in section 7.

10.5. Incompatible materials

Incompatible with oxidizing agents, acids
Avoid contact with metals such as: Aluminum. Zinc. Brass. Tin. Copper. Galvanized metals.
Avoid contact with absorbent materials such as: Organic Moisture absorbents.

10.6. Hazardous decomposition products

If handled accordingly no products of decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity Harmful if swallowed.

·2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane		
Oral	LD50	1,030 mg/kg (rat) (OECD 401 Acute Oral Toxicity) 1,030 mg/kg (ATE)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402 Acute Dermal Toxicity)
25265-71-8 Dipropylene glycol (isomer unspecified)		
Oral Dermal	LD50 LD50	>5,000 mg/kg (rat) >5,010 mg/kg (rat)
9046-10-0 Poly(oxypropylene)diamine		
Oral	LD50	200-2,000 mg/kg (rat)
Dermal	LD50	983 mg/kg (rabbit)

Skin corrosion/irritation	Causes skin irritation and eye damage
Skin corrosion/irritation	Causes severe skin burns
Serious eye damage/irritation	Causes serious eye irritation
Respiratory or skin sensitisation	May cause an allergic skin reaction

11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

· Aquatic toxicity:	
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
LC50 (96 h)	110 mg/l (Leuciscus)
EC50 (48 h)	23 mg/l (Daphnia Magna) (OECD 202 Daphnia sp. Acute Immobilisation Test)
ErC50/72h (static)	37 mg/l (Desmodesmus subspicatus)
NOEC / 21d	3 mg/l (Daphnia Magna)
EC10 (18h)(static)	1,120 mg/l (Pseudomonas putida)
25265-71-8 Dipropylene glycol (isomer unspecified)	
LC50 (96 h)	>100 mg/l (Leuciscus)
EC50 (48 h)	>100 mg/l (Daphnia Magna)
9046-10-0 Poly(oxypropylene)diamine	
LC50 (96 h)	400-1,000 mg/l (F)
EC50 (24h)	15 mg/l (D) (OECD 202 Daphnia sp. Acute Immobilisation Test)

12.2. Persistence and degradability

No further relevant information available

Other information: Elimination by adsorption onto activated sludge.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available

12.5. Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6. Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7. Other adverse effects

Remark: Harmful to fish

Additional ecological information:

General notes:

Must not reach sewage water or drainage ditch undiluted or un-neutralised.

Harmful to aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recommendation

Dispose in accordance with applicable international, national, and local laws, ordinances, and statutes. For disposal within the EC, the appropriate waste code according to the European Waste Catalogue (EWC) should be used.
No disposal via the sewage.

Waste disposal key:

For this product no waste code number can be determined as per the European Waste List, since the intended use by the consumer. The waste key number must be determined in consultation with the regional waste disposal.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary, together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

ADR, IMDG, IATA UN2735

14.2 UN proper shipping name

ADR 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (I S O P H O R O N E D I A M I N E , N - AMINOETHYLPIPERAZINE)

IMDG IATA AMINES, LIQUID, CORROSIVE, N.O.S. (I S O P H O R O N E D I A M I N E , N – AMINOETHYLPIPERAZINE)

14.3. Transport hazard class(es)

ADR
Class 8 (C7) Corrosive substances.
Label 8

IMDG, IATA
Class 8 Corrosive substances.
Label 8

14.4. Packing group

ADR, IMDG, IATA III

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Warning: Corrosive substances.

Hazard identification number (Kemler code): 80
EMS Number: F-A,S-B
Segregation groups (SGG18) Alkalis

Stowage Category A
Segregation Code SG35 Stow "separated from" SGG1-acids

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
IMO instruments Not applicable

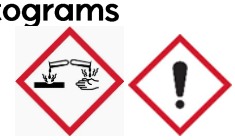
Transport/Additional information:
ADR
Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
Transport category 3
Tunnel restriction code E
IMDG
Limited quantities (LQ) 5L
Excepted quantities (EQ) Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation": UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE, N-AMINOETHYLPIPERAZINE), 8, III

SECTION 15: REGULATORY INFORMATION

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

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS09 GHS07

Signal word Danger
Hazard-determining components of labelling:
3-aminomethyl-3,5,5-trimethylcyclohexylaminePoly(oxypropylene)diamine

Hazard statements
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
P260 Do not breathe dusts or mists.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 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/doctor.
P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.
Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
· Relevant phrases
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

Recommended restriction of use

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, cannot be transferred to the new material produced in this way.
UFI code is valid in: Germany, Finland, Romania, Greece, Italy, Slovenia, Netherlands, Austria Poland, France, Spain, Portugal
· Department issuing SDS: environment protection department
· Contact: 01782 745000 Office Hours 08:30-17:00 hrs Mondays-Thursday 8:30-15:30 Friday
· Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Acute Tox. 4: Acute toxicity - Category 4
Skin Corr. 1B: Skin corrosion/irritation - Category 1B
Eye Dam. 1: Serious eye damage/eye irritation - Category 1
Skin Sens. 1: Skin sensitisation - Category 1
Skin Sens. 1A: Skin sensitisation - Category 1A
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 ·
* Data compared to the previous version altered.

Issued By	Product Regulations Dept
Revision Date	06/02/29
Revision	4
Supersedes date	06/02/26
SDS No.	000
Safety Data Sheet Status	Approved.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.