

Globally Harmonized System of Classification and Labelling of
Chemicals (GHS)

PLATINSTAR GX-2610

Version 5.0

Revision Date 25.01.2023

Print Date 26.01.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : PLATINSTAR GX-2610
Material number : 053182FY0

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company : ECKART GmbH
Guentersthal 4
91235 Hartenstein
Telephone : +499152770
Telefax : +499152777008
E-mail address : msds.eckart@altana.com
Responsible/issuing person

1.4 Emergency telephone number**NCEC:**

(contract no.: ECKART29003-NCEC)

+44 1235 239671 (Middle East/Africa, call and response in your language)

+1 215 207 0061 (Americas, call and response in your language)

+65 3158 1074 (Asia-Pacific, call and response in your language)

SECTION 2: Hazards identification**GHS Classification**

: Flammable liquids, Category 2, H225
Skin corrosion/irritation, Category 3, H316
Serious eye damage/eye irritation, Category 2A, H319

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Specific target organ toxicity - single exposure, Category 3,
Central nervous system, H336

GHS-Labelling

Symbol(s)



Signal word

: Danger

Hazard statements

: H225: Highly flammable liquid and vapour.
H316: Causes mild skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

Precautionary statements

: **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing mist or vapours.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water.
P304 + P340 + P319 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with

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water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P317 If skin irritation occurs: Get medical help.

P337 + P317 If eye irritation persists: Get medical help.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label

Identification	CAS-No.
ethyl acetate	141-78-6
1-methoxypropan-2-ol	107-98-2
propan-2-ol	67-63-0

SECTION 3: Composition/information on ingredients

Substance No. :

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
ethyl acetate	141-78-6 205-500-4	Flam. Liq.;2;H225 ;2A;H319 STOT SE;3;H336	25 - 50
1-methoxypropan-2-ol	107-98-2	Flam. Liq.;3;H226	25 - 50

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	203-539-1	STOT SE;3;H336	
propan-2-ol	67-63-0 200-661-7	Flam. Liq.;2;H225 Acute Tox.;5;H303 Acute Tox.;5;H313 ;2A;H319 STOT SE;3;H336	10 - 20
aluminium	7429-90-5 231-072-3	Flam. Sol.;1;H228	1 - 10
butyl lactate	34451-19-9 205-316-4	Flam. Liq.;4;H227 ;2;H315 ;2A;H319	1 - 10
Aziridine, homopolymer	9002-98-6	Acute Tox.;4;H302 ;2A;H319 Skin Sens.;1;H317 Aquatic Chronic;2;H411	0,25 - 1

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

General advice : Move the victim to fresh air.
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.

If inhaled : Consult a physician after significant exposure.

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	If unconscious, place in recovery position and seek medical advice.
In case of skin contact	: Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.


4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media	: Dry sand, ABC powder, Foam
Unsuitable extinguishing media	: High volume water jet, Carbon dioxide (CO ₂)

5.2 Special hazards arising from the substance or mixture

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Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Evacuate personnel to safe areas.
Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

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6.3 Methods and materials for containment and cleaning up

- Methods for cleaning up : Use mechanical handling equipment.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Do not flush with water.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Advice on safe handling : Avoid formation of aerosol. Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
- Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Earthing of containers and apparatuses is essential. Reaction with water liberates extremely flammable gas (hydrogen) Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Keep container closed when not in use.

No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Protect from humidity and water.

Advice on common storage : Do not store near acids. Do not store together with oxidizing and self-igniting products. Never allow product to get in contact with water during storage. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.


Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Germany:**

Components	CAS-No.	Value type	Control	Update	Basis
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		(Form of exposure)	parameters		
ethyl acetate	141-78-6	AGW	200 ppm 730 mg/m3	2017-06-08	DE TRGS 900
Peak-limit: excursion factor (category)		2;(I)			
Further information		Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).European Union (The EU has established a limit value: deviations in value and peak limit are possible)When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
ethyl acetate	141-78-6	STEL	400 ppm 1 468 mg/m3	2017-02-01	2017/164/EU
Further information		Indicative			
ethyl acetate	141-78-6	TWA	200 ppm 734 mg/m3	2017-02-01	2017/164/EU
Further information		Indicative			
1-methoxyprop an-2-ol	107-98-2	STEL	150 ppm 568 mg/m3	2000-06-16	2000/39/EC
Further information		Identifies the possibility of significant uptake through the skinIndicative			
1-methoxyprop an-2-ol	107-98-2	TWA	100 ppm 375 mg/m3	2000-06-16	2000/39/EC
Further information		Identifies the possibility of significant uptake through the skinIndicative			
1-methoxyprop an-2-ol	107-98-2	AGW	100 ppm 370 mg/m3	2010-08-04	DE TRGS 900
Peak-limit: excursion factor (category)		2;(I)			

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Further information		Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).European Union (The EU has established a limit value: deviations in value and peak limit are possible)When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
propan-2-ol	67-63-0	AGW	200 ppm 500 mg/m ³	2006-01-01	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
aluminium	7429-90-5	AGW (Inhalable fraction)	10 mg/m ³	2021-07-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
aluminium	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m ³	2021-07-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

8.2 Exposure controls

Personal protective equipment

Eye protection : Goggles

: Wear face-shield and protective suit for abnormal processing

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problems.

Hand protection

Material : Solvent-resistant gloves (butyl-rubber)

Remarks

: Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

The exact break through time can be obtained from the protective glove producer and this has to be observed.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Recommended preventive skin protection

Skin should be washed after contact.

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection

: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection

: Use suitable breathing protection if workplace concentration requires.

: In the case of vapour formation use a respirator with an approved filter.

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Environmental exposure controls

General advice : The product should not be allowed to enter drains, water courses or the soil.

: Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	: liquid
Colour	: No data available
Odour	: characteristic
pH	: substance/mixture is non-soluble (in water)
Freezing point	: No data available
Boiling point/boiling range	: 76 °C
Flash point	: -4 °C
Bulk density	: No data available
Flammability (solid, gas)	: No data available
Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: No data available
Water solubility	: No data available

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Miscibility with water	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Flow time	: No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Contact with acids and alkalis may release hydrogen.

Stable under recommended storage conditions.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Do not allow evaporation to dryness.

Heat, flames and sparks.

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10.5 Incompatible materials

Materials to avoid : Acids
Bases
Oxidizing agents

10.6 Hazardous decomposition products

Other information : No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****Components:****ethyl acetate :**

Acute oral toxicity : Rat: 5 620 mg/kg

Acute inhalation toxicity : LC50 Rat: 56 mg/l

Exposure time: 4 h

Test atmosphere: vapour

Acute dermal toxicity : LD50 Rabbit: > 18 000 mg/kg

1-methoxypropan-2-ol :

Acute oral toxicity : LD50 Rat: 4 016 mg/kg

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Acute inhalation toxicity : LC50 Rat: > 25,8 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 Rabbit: > 2 000 mg/kg

propan-2-ol :

Acute oral toxicity : LD50 Rat: > 2 000 mg/kg

Acute dermal toxicity : LD50 Rabbit: > 2 000 mg/kg

Aziridine, homopolymer :

Acute oral toxicity : The component/mixture is moderately toxic after single ingestion.

Skin corrosion/irritation

Product

May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Product

Eye irritation

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Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information**Product**

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.,
Concentrations substantially above the TLV value may cause narcotic effects., Solvents may
degrease the skin.

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SECTION 12: Ecological information**12.1 Toxicity****Components:****ethyl acetate (141-78-6) :**Toxicity to daphnia and other : (Daphnia (water flea)): 717 mg/l
aquatic invertebrates**Aziridine, homopolymer (9002-98-6) :****Ecotoxicology Assessment**Long-term (chronic) aquatic : Toxic to aquatic life with long lasting effects.
hazard**12.2 Persistence and degradability**

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects**Product:**Additional ecological : No data available
information

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SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Product	: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. In accordance with local and national regulations.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum. In accordance with local and national regulations.

SECTION 14: Transport information**14.1 UN number**

ADR	: 1210
TDG	: 1210
CFR	: 1210
IMDG	: 1210
IATA	: 1210

14.2 Proper shipping name

ADR	: PRINTING INK
TDG	: PRINTING INK

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CFR : PRINTING INK**IMDG** : PRINTING INK**IATA** : PRINTING INK**14.3 Transport hazard class****ADR** : 3**TDG** : 3**CFR** : 3**IMDG** : 3**IATA** : 3**14.4 Packing group****ADR**

Packaging group : II

Classification Code : F1

Hazard Identification Number : 33

Labels : 3

Tunnel restriction code : (D/E)

TDG

Packaging group : II

Labels : 3

CFR

Packaging group : II

Labels : 3

IMDG

Packaging group : II

Labels : 3

IATA

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Packing instruction (cargo aircraft) : 364
Packing instruction (passenger aircraft) : 353
Packing instruction (LQ) : Y341
Packaging group : II
Labels : 3

14.5 Environmental hazards**14.6 Special precautions for user****14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) :

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REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

: Banned and/or restricted
(ethyl acetate)
(1-methoxy-2-propanol)
(propan-2-ol)
(aluminium powder (stabilised))
(butyl lactate)
(Aziridine, homopolymer)
(ethanol)
(2-methoxypropanol)
(Phosphoric acid polyester (72243-070628, Germany))

15.2 Chemical safety assessment

No data available

SECTION 16: Other information**Full text of H-Statements**

H225	: Highly flammable liquid and vapour.
H226	: Flammable liquid and vapour.
H227	: Combustible liquid.
H228	: Flammable solid.
H302	: Harmful if swallowed.
H303	: May be harmful if swallowed.
H313	: May be harmful in contact with skin.
H315	: Causes skin irritation.
H316	: Causes mild skin irritation.
H317	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H336	: May cause drowsiness or dizziness.
H411	: Toxic to aquatic life with long lasting effects.

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