SAFETY DATA SHEET

Date of issue: 22/02/2021 Date of revision: 22/02/2021 Version no.: 1

Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation")

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product name: GREEN ROAD MARKING PAINT – TYPE: 690

1.2 Relevant identified uses of the substance or mixture and uses advised against
Common uses: Road marking.
Uses advised against: N/A

1.3 Details of the supplier of the safety data sheet
Kolibir Ltd.
5 Modeine st. Petach-Tikva
ISRAEL 4927154
Tel.: +972-3-9046652
Fax: +972-3-9046452

E-mail address of person responsible for this SDS: info@kolibir.com

1.4 Emergency telephone number
Emergency telephone number (with hours of operation): +972-50-5218061

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP):
Flam. Liq. 2 H225
Skin Irrit. 2 H315
Asp. Tox. 1 H304
STOT SE 3 H336
STOT RE 2 H373
Repr. 2 H361d
Lact. H362
Carc. 1B H350
Aquatic Acute 1 H400
Aquatic Chronic 2 H411

See section 16 for the full text of the H-statements declared above.

2.2 Label elements
Labelling in accordance with Regulation 1272/2008 (CLP)
Hazard pictogram(s):

Signal word: Danger

Hazard statement(s):
H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H304: May be fatal if swallowed and enters airways.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.
H361d: Suspected of damaging the unborn child.
H362: May cause harm to breast-fed children.
H350: May cause cancer.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):
P201: Obtain special instructions before use.
P263: Avoid contact during pregnancy and while nursing.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P308 + P313: IF exposed or concerned: Get medical advice/attention.
P301 + P310 + P331: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
P273: Avoid release to the environment.

Supplemental hazard statement(s):
EUH208: Contains (2-Butanone oxime). May produce an allergic reaction.

2.3 Other hazard
Not available

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification
Toluene	CAS number: 108-88-3 EC number: 203-625-9	20-35	Flam. Liq. 2 H225 Skin Irrit. 2 H315 Asp. Tox. 1 H304 STOT SE 3 H336 STOT RE 2 H373 Repr. 2 H361d
Ethyl methyl ketone	CAS number: 78-93-3 EC number: 201-159-0	0-4	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
Chlorinated paraffins, C_{14-17}	CAS number: 85535-85-9 EC number: 287-477-0	0-4	Lact. H362 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 EUH066
2-Butanone oxime	CAS number: 96-29-7 EC number: 202-496-6	0-0.11	Acute Tox. 3 H301 Acute Tox. 4 H312 Skin Irrit. 2 H315 Eye Dam. 1 H318 Skin Sens. 1 H317 STOT SE 3 H336 Carc. 1B H350 STOT SE 1 H370 (upper respiratory tract) STOT RE 2 H373 (blood system)

See section 16 for the full text of the H-statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eyes contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Get medical attention.

Inhalation: Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

Ingestion: **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

4.3 Indication of any immediate medical attention and special treatment needed

Not available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable: Foam, carbon dioxide, dry powder.
Not suitable: Water jet.

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. Under fire conditions may emit toxic and irritating fumes.

5.3 Advice for firefighters

Special protective equipment for fire fighters: Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Ventilate area of spill. Keep away from sources of ignition.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

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.

6.4 Reference to other sections

See Section 1 for emergency contact information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapors, mist or gas. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from oxidizing agents.

7.3 Specific end use(s): N/A

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Occupational exposure limit values:

Substance name	Occupational exposure limits
Toluene	EU-OELs 50 ppm (LTEL), 100 ppm (STEL)
Ethyl methyl ketone	EU-OELs 200 ppm (LTEL), 300 ppm (STEL)

8.2 Exposure controls

Engineering measures
Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Person Protective measures
Respiratory protection: Suitable respirator. Be sure to use an approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.
Hand protection: Wear protective gloves to prevent skin exposure.
Eye protection: Wear protective safety glasses.
Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact. Complete suit protecting against chemicals, flame retardant antistatic protective clothing.

Environmental exposure controls: Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid with colour according to product specification
Odour: Characteristic
Odour threshold: Not determined
pH: Not applicable
Melting point/Freezing point: Not determined
Initial boiling point/boiling range: 110°C

Flash point: 4°C
Evaporation rate: Not determined
Flammability: Not applicable
Upper/lower flammability or explosive limits: Lower: 1.2 Vol %, Upper: 7 Vol %
Vapor pressure: 29 hPa
Vapor density: Not determined
Relative density: 1.5 g/cm³
Solubility(ies): Not miscible or difficult to mix with water
Partition coefficient Octanol/Water: Not determined
Auto-ignition temperature: 535°C
Decomposition temperature: Not determined
Viscosity: Not determined
Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixture is possible.
Oxidizing properties: N/A

9.2 Other information
Self-ignition temperature: The product is not self-igniting
Solvent content: Not determined
VOC content: Not determined
Solids content: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity
Not available

10.2 Chemical stability
The product is stable under normal handling and storage conditions described in Section 7.

10.3 Possibility of hazardous reactions
Hazardous reactions are not expected, under normal conditions of storage and use.

10.4 Conditions to avoid
Heat, flames and sparks.

10.5 Incompatible materials
Oxidizing agents.

10.6 Hazardous decomposition products
Other decomposition products: not available
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Product/substance name	Test	Species	Dose
Toluene	LD50, Oral	Rat	636 mg/kg
	LD50, Administration onto the skin	Rat	14.1 mL/kg
	LC50, Inhalation	Rat	49000 mg/m³/4H

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Not available

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Not available

Carcinogenicity: May cause cancer.

Reproductive toxicity: Suspected of damaging the unborn child.

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity
Not available

12.2 Persistence and Degradability
Not available

12.3 Bioaccumulative potential
Not available

12.4 Mobility in soil
Not available

12.5 Results of PBT and vPvB assessment
Not available

12.6 Other adverse effects
Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Packing
Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information

14.1 Un number

ADR/RID: 1993 IMDG: 1993 IATA: 1993

14.2 Proper shipping name

ADR/RID: FLAMMABLE LIQUID, N.O.S. (Toluene)
IMDG: FLAMMABLE LIQUID, N.O.S. (Toluene)
IATA: Flammable liquid, n.o.s. (Toluene)

14.3 Transport hazard class(es)

ADR/RID: 3 IMDG: 3 IATA: 3

14.4 Packing group

ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazard

Marine Pollutant: Yes

14.6 Special precautions for user

Not available

14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code

Not available

SECTION 15: Regulatory information

This SDS complies with the following requirements of:
EU Regulation (EC) No.1907/2006 (REACH) including amendments
Regulation (EC) No.1272/2008 (CLP)

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

Not available

15.2 Chemical safety assessment

Not available

SECTION 16: Other information

Full text of Hazards Statements referred to in sections 2 and 3:

Flam. Liq. - Flammable liquid
Skin Irrit. - Skin irritation
Eye Irrit. - Eye irritation
Eye Dam. - Serious eye damage
Skin Sens. - Skin sensitization
Acute Tox. - Acute toxicity
STOT SE - Specific target organ toxicity — single exposure
Asp. Tox. - Aspiration hazard
STOT RE - Specific target organ toxicity — repeated exposure
Carc. - Carcinogenicity
Repr. - Reproductive toxicity
Lact. - Reproductive toxicity
Aquatic Acute - Hazardous to the aquatic environment
Aquatic Chronic - Hazardous to the aquatic environment
H225: Highly flammable liquid and vapour.
H301: Toxic if swallowed.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H336: May cause drowsiness or dizziness.
H304: May be fatal if swallowed and enters airways.
H373: May cause damage to organs through prolonged or repeated exposure.
H370: Causes damage to organs.
H361d: Suspected of damaging the unborn child.
H362: May cause harm to breast-fed children.
H350: May cause cancer.
H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.
EUH066: Repeated exposure may cause skin dryness or cracking.

Training advice: Before using/handling the product one must read carefully present SDS.

Key Legend Information:
CAS - Chemical Abstract Service
ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NTP - National Toxicology program
IARC - International Agency for Research on Cancer
N/A - Not available
H - statements- Hazard statements
TLV - Threshold Limit Value
TWA - Time-weighted average
STEL - Short-Term Exposure Limit
CSA - Chemical safety assessment

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