

1**PRODUCT IDENTIFICATION****AddGX-1212**

CHEMECOL UK LIMITED.

The Maltings

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Cas Number

Not applicable for mixtures

Synonyms

None

Generic Chemical Name

Mixture

Product Type

Gasoline Fuel Additive

Emergency Phone Number

+44 (0)1920 465 077

2**COMPOSITION / INFORMATION ON INGREDIENTS****Key Hazardous Ingredients**

Hydrocarbon Solvent

contains n-hexane,

Risk Phrases

Xn;R38-48/20-62 F;R11 N;R51/53 Xn;R65-;R67

3**HAZARDS IDENTIFICATION****Principal Hazards**

Highly flammable. Limited evidence of a carcinogenic effect. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin. Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.

4**FIRST AID MEASURES****Ingestion**

Ingestion causes irritation of the upper digestive system and gastrointestinal disturbance. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache). Do not induce vomiting. Obtain medical attention immediately and show this container or label.

Eyes

May cause eye irritation of susceptible persons. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Skin

May cause skin irritation in susceptible persons. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If signs of poisoning appear, treat as for inhalation. In the case of skin irritation or allergic reactions see a physician.

Inhalation

Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough. Inhalation of vapours in high concentration may cause shortness of breath (lung edema). Move

to fresh air. Obtain medical attention.

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FIRE FIGHTING MEASURES

Extinguishing Media

Use only foam, dry powder, and carbon dioxide or halon extinguishers. Cool containers by water fog/spray. DO NOT use high volume water jet if chemicals have leaked.

Fire Fighting Procedures

Recommended wearing self-contained breathing apparatus and chemical protective clothing. Water may cause splattering. Material will float on water. Use water to cool containers exposed to fire.

Unusual Fire & Explosion Hazards

Vapour may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Burning produces obnoxious and toxic fumes. Contains highly flammable materials.

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ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation. Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment.

Environmental precautions

Do not let product enter drains. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. After cleaning, flush away traces with water.

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HANDLING AND STORAGE

Handling Procedures

Keep material away from sources of ignition i.e. heat, sparks, pilot lights, static electricity and open flames. Open container in a well-ventilated area. In general, ChemEcol recommends, as a minimum, the use of neoprene or nitrile rubber gloves and safety goggles and other protective clothes. If opening in a closed area or one having restricted ventilation than wear appropriate NIOSH/MSHA approved respirator. Avoid breathing vapours. Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue, which may exhibit hazards of product. Ensure all equipment is electrically grounded before beginning transfer operations.

Ventilation Procedures

Use local exhaust ventilation to control mists or vapour. Ensure adequate ventilation is available to keep air concentrations below exposure limits.

Storage Procedures

Keep material away from heat, sparks pilot lights, static electricity and open flame. Do not expose container to direct sunlight as pressure build-up may occur. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers

Maximum Storage Temperature

35 Deg C, 95 Deg F

Long Term (8 Hours T.W.A)	20 ppm
Ventilation Procedure	Use local exhaust ventilation to control mists or vapours. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.
Hand Protection	Nitrile. Polyvinyl alcohol. Note: polyvinyl alcohol gloves are water soluble and should not be used when there is potential for water contact.
Eye Protection	Chemical goggles or face shield.
Respiratory Protection	Use approved full-face respirator with a combination organic vapour and high efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined areas which are poorly ventilated or have large spills.
Clothing	Use chemically protective boots. Do not wear rings, watches etc. under which chemical can adhere. Wear long sleeves and overalls. Wear impervious protective clothing and gloves. Protective clothing should be regularly inspected and maintained; overall should be dry-cleaned, laundered and preferably starched after use.

Physical State		liquid
Colour		colourless
Odour		sweet paraffinic
Density @ 15 °C kg/l	ASTM D4052	0.698
Viscosity at 40 °C cSt	ASTM D445	0.68
IBP °C	ASTM D86	62
FBP °C	ASTM D86	210
Sulphur, %(m/m)	IP373	nil
Ash Content, % (m/m)	IP4	nil
Molecular Weight		Not determined
Flash Point °C	ASTM D56	< -25
Upper Flammable Limit		Not Determined.
Lower Flammable Limit		Not Determined.
Auto ignition Point		Not Determined.
Explosion Data		Not Determined.

Stability	Material is stable at modest temperatures and pressures.
Incompatibility	Mineral acids. Strong oxidizing agents. Halogens and halogenated compounds.
Polymerisation	Will not occur.
Thermal Decomposition	Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.

Eye Irritation	Moderate to strong eye irritation. Based on data from components or similar material.
Skin Irritation	May cause irritation to skin. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet from material may cause dermatitis. Symptoms may include redness, oedema, drying, defatting and cracking of the skin.
Respiratory Irritation	Exposure to a high concentration of vapour or mist is irritating to the respiratory tract.
Dermal Toxicity	LD ₅₀ in rats > 1000 mg/Kg. Based on data from components or similar material.
Inhalation Toxicity	High concentration may cause headaches, dizziness, fatigue, nausea, vomiting, drowsiness, stupor, other central nervous system effects leading to visual impairment, respiratory failure, unconsciousness and death. LC ₅₀ /4h/rat = 2-20mg/m ³
Oral Toxicity	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhoea and abdominal pain. LD ₅₀ in rat > 600 mg/ Kg. Based on data from components or similar material.
Dermal Sensitisation	May cause allergic skin reaction in susceptible individuals.
Inhalation Sensitisation	No data available to indicate product or components may be respiratory sensitizers.
Chronic Toxicity	No data available to indicate products or components present at greater than 1% are chronic health hazards.
Other	No other health hazards known.

Mobility	Spillages may penetrate the soil causing ground water contamination.
Persistence and Degradability	This product is inherently biodegradable.
Bioaccumulative Potential	There is no evidence to suggest bioaccumulation will occur.
Aquatic Toxicity	Very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Spills may form a film on water causing physical damage to organisms. Oxygen transfer could also be impaired.
Freshwater Fish Toxicity	LC50/24h is between > 10 mg/L based on component data
Freshwater Invertebrate Toxicity	LC50/24h is between 1 - 10 mg/L based on component data
Algae Toxicity	LC50/24h is between > 10 mg/L based on component data

Disposal	Where possible, arrange for product to be recycled. Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations. Incineration may be carried out under controlled conditions provided that local regulations for emissions are met. Do not allow product to enter drains or into sewage system.
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Flammable Liquid N.O.S.(n-Hexane)	UN No.	1992
Land Transport - ADR/RID		
Packing Class; ADR/RID		3
Packing Group		II
Hazard ID		336
Sea Transport - IMO		
Packing Class; IMDG		3
Packing Group		II
EmS		F-E S-D
Marine Pollutant		NO
Air Transport - IATA-DGR		
Packing Class		3
Packing Group		II
Packaging		307
Sub-risks		6.1
HS Number		3811.9000

Labeling

The product is classified and labelled in accordance with Directive 1999/45/EC. The product is classified in accordance with Annex VI to Directive 67/548/EEC.

Symbol

F; N

**Precautionary Labels**

R11	Highly flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R36	Irritating to eyes
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R48/23/24/25	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53	Very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment
R62	Possible risk of impaired fertility
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness
S16	Keep away from sources of ignition - No smoking.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28	After contact with skin, wash immediately with plenty of water
S29	Do not empty into drains
S36/37/39	Wear suitable protective clothing gloves and eye/face protection
S43	In case of fire use foam, dry powder, CO ₂ halon
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

Compiled By:

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