



SAFETY DATA SHEET

Liquimatic XT 284

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

1.1. Product identifier

Product name Liquimatic XT 284

Product number 7820

Internal identification GHS21710

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

Identified uses Transmission fluid

Uses advised against Non specified unless otherwise stated within this MSDS

1.3. Details of the supplier of the safety data sheet

<p>Supplier Morris Lubricants Castle Foregate Shrewsbury Shropshire SY1 2EL +44 (0) 1743 232200 +44 (0) 1743 353584 sds@morris-lubricants.co.uk</p>	<p>NZ DISTRIBUTOR: Aktron 14 Railway Road Rangiora 7400 Ph: 0800 70 10 10 admin@aktron.co.nz</p> <p>ERMA Approval Code: HSR002606</p>
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1.4. Emergency telephone number National Poison Control Centre 0800 764 766

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Sens. 1 - H317

Environmental hazards Not Classified

Classification (67/548/EEC or -
1999/45/EC)

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.

Liquimatic XT 284

Precautionary statements	<p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P501a Dispose of contents/container to hazardous or special waste collection point.</p>
Contains	Calcium branched chain alkaryl sulphonate

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Lubricating oil (petroleum) C20-C50,hydrotreated,neutral oil based			30-60%
CAS number: 72623-87-1	EC number: 276-738-4	REACH registration number: 01-2119474889-13-0000	
Classification Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) -		
Calcium branched chain alkaryl sulphonate			1-5%
CAS number: 68610-84-4	EC number: 271-877-7		
Classification Skin Sens. 1 - H317 Aquatic Chronic 4 - H413	Classification (67/548/EEC or 1999/45/EC) R43,R53.		
Mineral Oil			<1%
CAS number: —			
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Get medical attention if any discomfort continues. Do not induce vomiting.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

Eye contact	May irritate eyes.
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Liquimatic XT 284

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

Notes for the doctor Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Toxic gases or vapours. Heat from fire could result in drums bursting

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Use air-supplied respirator, gloves and protective goggles.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions In case of spills, beware of slippery floors and surfaces. For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain spillage with sand or earth. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Avoid water contacting spilled material or leaking containers. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. In case of spillage on water prevent the spread by use of suitable barrier equipment

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class Miscellaneous hazardous material storage.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Lubricating oil (petroleum) C20-C50,hydrotreated,neutral oil based

Liquimatic XT 284

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³

Short-term exposure limit (15-minute): ACGIH 10 mg/m³

Mineral Oil

Long-term exposure limit (8-hour TWA): OES 5 mg/m³(c)

ACGIH = American Conference of Governmental Industrial Hygienists.

Ingredient comments

WEL = Workplace Exposure Limits

2-ethylhexyl zinc dithiophosphate (CAS: 4259-15-8)

DNEL

Workers - Dermal; systemic effects: 0.14 mg/kg/day
 Workers - Inhalation; systemic effects: 0.422 ppm
 Workers - Inhalation; Long term systemic effects: 0.07 ppm
 Workers - Dermal; local effects: 0.09 mg/cm²
 Workers - Inhalation; local effects: 0.42 ppm
 Workers - Inhalation; Long term systemic effects: 0.21 ppm
 Workers - Dermal; Long term systemic effects: 0.09 mg/cm²
 Workers - Dermal; Long term systemic effects:

PNEC

- Fresh water; 0.004 mg/l
 - Soil; 0.0548 mg/kg
 - Sediment (Freshwater); 0.0701 mg/kg
 - marine water; 0.0046 mg/l
 - Sediment (Marinewater); 0.00701 mg/kg
 - STP; 3.8 mg/l
 - Air; 7.1 mg/m³

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact. Use of suitable barrier/afterwork creams to protect skin may be beneficial.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Liquimatic XT 284

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pale Amber
Odour	Characteristic. Oil-like.
Odour threshold	Not determined.
pH	Not applicable.
Melting point	-45°C Pour point
Initial boiling point and range	>320°C @ 101.3 kPa
Flash point	199°C Pensky-Martens closed cup.
Other flammability	Product is not flammable but on excessive heating may become combustible.
Vapour pressure	<0.1 kPa @ 20°C
Vapour density	>1
Relative density	0.860 @ 15.6°C
Solubility(ies)	The product is insoluble in water. Soluble in the following materials: Organic solvents.
Partition coefficient	Not determined. log Kow: > 7 This figure is typical of mineral oil.
Auto-ignition temperature	>320°C
Viscosity	40 cSt @ 40°C
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Volatile organic compound	The product is a complex mixture, the majority of which would not be classed as a VOC. However it cannot be discounted that trace or low levels of VOCs may be present.
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SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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10.5. Incompatible materials

Materials to avoid	Strong oxidising agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of carbon. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m ³ .
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Liquimatic XT 284

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General information	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
Inhalation	Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.
Ingestion	May cause discomfort if swallowed.
Skin contact	Irritating to skin. May cause an allergic skin reaction.
Eye contact	May irritate eyes.
Acute and chronic health hazards	Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer.

SECTION 12: Ecological information

Ecotoxicity	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.
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12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability	The product is expected to be biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.
Partition coefficient	Not determined. log Kow: > 7 This figure is typical of mineral oil.

12.4. Mobility in soil

Mobility	The product is non-volatile. The product is insoluble in water and will spread on the water surface.
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12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	European waste catalogue (EWC) number = 13 02 05* (mineral based non-chlorinated engine, gear & lubricating oils)

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Liquimatic XT 284

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	22/01/2025
Revision	3
Supersedes date	22/01/2020
SDS number	21710
Hazard statements in full	H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H413 May cause long lasting harmful effects to aquatic life.

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.