SAFETY DATA SHEET

Noxudol 720

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	16.10.2018

1.1. Product identifier

Product name	Noxudol 720
Article no.	41700

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

Use of the substance / preparation	Corrosion inhibitor
Relevant identified uses	SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites PC6 Automotive Care Products*** PC14 Metal surface treatment products, including galvanic and electroplating products,

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name	Auson AB
Postal address	Verkstadsgatan 3
Postcode	S-434 42
City	KUNGSBACKA
Country	SVERIGE
Telephone number	+46 300-562000
Fax	+46 300-562021
Email	nina.nyth@auson.se
Website	http://www.auson.se/
Contact person	Nina Nyth

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: SOS Alarm

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319

2.2. Label elements

Hazard pictograms (CLP)

Composition on the label	Water 60 – 70 %, Residual oils (petroleum), solvent-dewaxed (<3% DMSO extract) 20 -25 %
Signal word	Warning
Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.
Precautionary statements	P102 Keep out of reach of children. P264 Wash hands thoroughly after handling. P280 Wear protective gloves. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice / attention. P337+P313 If eye irritation persists: Get medical advice / attention.
EC label	Yes
VOC	Product subcategory : Special finishes Relevant VOC limit values: 840 g/l Maximum content of VOC: 20 g/l

2.3. Other hazards

Other hazards	None

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Calcium sulfonate	CAS No.: 61789-86-4 EC No.: 263-093-9	Skin Sens. 1; H317	4 – 7 %	
2-dietylaminoetanol	CAS No.: 100-37-8 EC No.: 202-845-2	Flam. Liq. 3; H226 Acute tox. 4; H332 Acute tox. 4; H312 Acute tox. 4; H302 Skin Corr 1B; H314	2 %	
Water	CAS No.: 7732-18-5 EC No.: 231-791-2		60 – 70 %	
Residual oils (petroleum) ,	CAS No.: 64742-62-7		20 -25 %	

solvent-dewaxed (<3% DMSO extract)	EC No.: 265-166-0		
Alkyd oil	CAS No.: 68410-37-7		3 -5 %
2-Ethylhexanoic acid, zirconium salt	CAS No.: 22464-99-9 EC No.: 245-018-1	Repr. 2; H361fd	< 0,1 %
Fatty acids, C6-19-branched, cobalt(2+) salts	CAS No.: 68409-81-4 EC No.: 270-066-5	Acute tox. 4; H302 Skin Irrit. 2; H315 Skin Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411 Asp. tox 1; H304	< 0,1 %
Remarks, substance	See section 16 for explanation of hazard statements (H) listed above.		

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Fresh air.
Skin contact	Wash the skin with water and soap.
Eye contact	Flush immediately with water for at least 5 minutes. Get medical attention if any discomfort continues.
Ingestion	Give water to drink if the affected person is fully conscious. DO NOT INDUCE VOMITING! Immediately consult a doctor.

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

General symptoms and effects	No further relevant information available.

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

Specific details on antidotes	No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Dry chemical, foam or carbon dioxide (CO2).

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Not flammable.

5.3. Advice for firefighters

Other information	Not flammable.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Use the specified protective equipment.

6.2. Environmental precautions

Environmental precautionary measures	Do not allow spill to enter sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Clean up	Clean with water.

6.4. Reference to other sections

Other instructions	Absorb in a special absorbent and transport to approved waste management facility.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Wear prescribed personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Do not bear frost. Store at temperatures between 0 and 30°C. Keep container tightly closed.

7.3. Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Fatty acids, C6-19-branched, cobalt(2+) salts	CAS No.: 68409-81-4	Limit value (8 h) : 100 mg/m³ Limit value (8 h) : 15 ppm **Limit value (short term)** Value: 200 mg/m³ **Limit value (short term)** Value: 30 ppm	

DNEL / PNEC

Summary of risk management measures, human	No information available.
Summary of risk management measures, environment	No information available.

8.2. Exposure controls

Safety signs

Precautionary measures to prevent exposure

Appropriate engineering controls	Eye wash facilities and emergency shower must be available when handling this product.

Eye / face protection

Suitable eye protection	Wear approved, tight fitting safety glasses where splashing is probable.

Hand protection

Skin- / hand protection, short term contact	Protective gloves must be used if there is a risk of direct contact or splashes.
Suitable materials	Nitrile rubber.
Breakthrough time	Value: > 480 minute(s) Comments: Change protective gloves regularly in order to avoid penetration problems.
Thickness of glove material	Value: ≥ 0,38 mm

Skin protection

Skin protection remark	Protective clothing must be worn if there is a possibility of direct contact or splashes.

Respiratory protection

Respiratory protection necessary at	No respirator is normally needed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Beige.
Odour	Slight. Amine-like.
Odour limit	Comments: Not determined.
pH	Status: In delivery state Value: 9 – 10
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Value: 100 °C
Vapour pressure	Comments: No data recorded.
Density	Value: 980 -1000 kg/m³ Temperature: 20 °C
Solubility	Comments: Soluble in water.
Explosive properties	Not an explosive.
Oxidising properties	Not oxidising.

9.2. Other information

Other physical and chemical properties

Comments	No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The chemical is stable at the given use and storing conditions.

10.2. Chemical stability

Stability	Stable with normal handling.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid	No information available.

10.5. Incompatible materials

Materials to avoid	No hazardous reactions known.

10.6. Hazardous decomposition products

Hazardous decomposition products	No formation of hazardous decomposition products are expected under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	2-dietylaminoetanol
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** = 1320 mg/kg **Animal test species:** Rat **Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Dermal **Value:** ~ 1100 mg/kg **Animal test species:** Rabbit **Type of toxicity:** Acute **Effect tested:** LC50 **Route of exposure:** Inhalation. **Duration:** 4h

	Value: = 4,5 mg/L **Animal test species:** Rat

Other information regarding health hazards

Acute toxicity, human experience	No aspiration hazards known.
Skin corrosion / irritation, human experience	May cause an allergic skin reaction.
Eye damage or irritation, human experience	Causes serious eye irritation.
Inhalation	High concentrations may cause: Indisposition.
Skin contact	Prolonged or repeated skin contact may cause dermatitis.
Eye contact	Irritates the eyes.
Ingestion	High concentrations may cause: Indisposition.
Sensitisation	May cause sensitisation by skin contact.
Assessment of germ cell mutagenicity, classification	The chemical structure does not suggest a mutagenic effect.
Carcinogenicity, other information	Does not present any cancer or reproductive hazards.
Reproductive toxicity	The chemical structure does not suggest such an effect.
Aspiration hazard, human experience	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Substance	2-dietylaminoetanol
Aquatic toxicity, fish	**Value:** = 1780 mg/L **Test duration:** 96h **Species:** Fathead minnow **Method:** LC50
Substance	2-dietylaminoetanol
Aquatic toxicity, algae	**Value:** = 30 mg/L **Test duration:** 72h **Species:** Grönalger **Method:** EC50
Substance	2-dietylaminoetanol
Aquatic toxicity, crustacean	**Value:** = 83,6 mg/L **Test duration:** 48h **Species:** Daphnia magna **Method:** EC50
Ecotoxicity	Exhibits low toxicity to water organisms.

12.2. Persistence and degradability

Persistence and degradability, comments	Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Has the potential to bioaccumulate.

12.4. Mobility in soil

Mobility	Absorberas av jord.

12.5. Results of PBT and vPvB assessment

PBT assessment results	The product does not contain any PBT or vPvB substance.

12.6. Other adverse effects

Other adverse effects, comments	Not regarded as dangerous for the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Specify the appropriate methods of disposal	Dispose of in compliance with local regulations.
EWC waste code	EWC waste code: 130205 mineral-based non-chlorinated engine, gear and lubricating oils Classified as hazardous waste: Yes
EWL packing	Classified as hazardous waste: No
Other information	EWC code is only a suggestion, final consumer selects a suitable EWC code.

SECTION 14: Transport information

Dangerous goods	No

14.1. UN number

Comments	Not classified as hazardous for transport.

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

EEC-directive	2006/121/2006
References (laws/regulations)	The product is classified and labelled in accordance with EEC guidelines or national legislation.
Legislation and regulations	Regulation (EC) nr. 2015/830 Regulation (EC) nr. 1272/2008.

15.2. Chemical safety assessment

Chemical safety assessment performed	No

SECTION 16: Other information

Supplier's notes	These data are based on our best knowledge to date, however they do not imply any guarantee on the properties or quality of the product.
List of relevant H-phrases (Section 2 and 3)	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H411 Toxic to aquatic life with long lasting effects.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319
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