SAFETY DATA SHEET

Noxudol 700 Spray

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	09.01.2018
Revision date	05.10.2020

1.1. Product identifier

Product name	Noxudol 700 Spray
UFI	RHX1-50HM-500W-YDJW
Article no.	37101

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

Use of the substance / preparation	Corrosion inhibitor
Relevant identified uses	SU21 Consumer uses: Private households (= general public = consumers) 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]	Aerosol 1; H222 H229 Skin Sens. 1; H317
Additional information on classification	See section 16 for explanation of hazard statements (H) listed above.

2.2. Label elements

Hazard pictograms (CLP)

Composition on the label	Baseoil – unspecified, Distillates (petroleum), solvent-refined heavy paraffinic (DMSO-extract <3%) 30 – 35 %, Calcium sulfonate 5 – 10 %, Destillate (petroleum), solventdewaxed heavy naphthenic (<3% DMSO) 5 – 10 %, Butane ~ 32 %, Propane ~ 8 %
Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H317 May cause an allergic skin reaction.
Precautionary statements	P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Pressurized container: Do not pierce or burn, even after use. P280 Wear protective gloves. P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C / 122°F. P501 Dispose of contents/container at hazardous or special waste collection point.
EC label	Yes
VOC	Product subcategory : Special finishes Relevant VOC limit values: 840 g/l Maximum content of VOC: 270,5 g/l

2.3. Other hazards

Hazard description, general	Extremely flammable.
Other hazards	None

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Baseoil – unspecified,	CAS No.: 64741-88-4		30 – 35 %	

Distillates (petroleum) , solvent-refined heavy paraffinic (DMSO-extract <3%)	EC No.: 265-090-8 Index No.: 649-454-00-7			
Calcium sulfonate	CAS No.: 61789-86-4 EC No.: 263-093-9 REACH Reg. No.: 01-2119488992-18-xxxx	Skin Sens. 1; H317	5 – 10 %	1
Destillate (petroleum) , solventdewaxed heavy naphthenic (<3% DMSO)	CAS No.: 64742-65-0 EC No.: 265-169-7 REACH Reg. No.: 01-2119471299-27-XXXX	Asp. Tox. 1; H304	5 – 10 %	1
Alkyd oil	CAS No.: 68410-37-7		10 – 15 %	
Paraffin waxes and Hydrocarbon waxes	CAS No.: 8002-74-2 EC No.: 232-315-6 REACH Reg. No.: 01-2119488076-30-XXXX		< 5 %	
2-Ethylhexanoic acid, zirconium salt	CAS No.: 22464-99-9 EC No.: 245-018-1 REACH Reg. No.: 01-2119979088-21-XXXX	Repr. 2; H361fd	< 0,1 %	1
Cobalt bis(2-ethylhexanoate)	CAS No.: 136-52-7 EC No.: 205-250-6 REACH Reg. No.: 01-2119524678-29-XXXX	Skin Sens. 1; H317 Eye Irrit. 2; H319 Repr. 2; H361f Aquatic Acute 1; H400; M-factor =1 Aquatic Chronic 3; H412; M-factor =1	< 0,1 %	1
2-butanone oxime	CAS No.: 96-29-7 EC No.: 202-496-6 REACH Reg. No.: 01-2119539477-28-0003	Carc. 2; H351 Skin Sens. 1; H317 Eye Dam. 1; H318 Acute tox. 4; H312	< 0,1 %	1
Butane	CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-00-0 REACH Reg. No.: 01-2119474691-32-xxxx	Flam. Gas 1; H220 Press. Gas (Comp.)	~ 32 %	
Propane	CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5 REACH Reg. No.: 01-2119486944-21-xxxx	Flam. Gas 1; H220 Press. Gas (Comp.)	~ 8 %	

[1]Substance classified with a health or environmental hazard

Remarks, substance	See section 16 for explanation of hazard statements (H) listed above.
Substance comments	Mineral oil (paraffin base), highly refined (DMSO-extrakt <3%, IP 346).

SECTION 4: First aid measures

4.1. Description of first aid measures

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. Never give anything by mouth to an unconscious person. In an emergency, contact the national Poisons Information Centre.

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).
Improper extinguishing media	Do NOT use water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on or near a naked flame or any incandescent material. Keep away from sources of ignition. No smoking. Keep out of reach of children.

5.3. Advice for firefighters

Personal protective equipment	General: Evacuate all personnel, use protective equipment for fire fighting. Use a portable breathing apparatus when the product is involved in a fire.
Other information	Containers near fire must be moved and/or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Use the specified protective equipment. Keep unauthorized personnel away.

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	Collect with absorbent, non-combustible material into suitable containers. Destroy according to applicable regulations.

6.4. Reference to other sections

Other instructions	See Section 8 and section 13.

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	Keep away from sources of ignition – No smoking. Keep at temperature not exceeding +50°C.

7.3. Specific end use(s)

Specific use(s)	See Section 1.2

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Baseoil – unspecified, Distillates (petroleum) , solvent-refined heavy paraffinic (DMSO-extract <3%)	CAS No.: 64741-88-4	Limit value (8 h) : 1 mg/m³ **Limit value (short term)** Value: 3 mg/m³	TWA Year: 1990
Destillate (petroleum) , solventdewaxed heavy naphthenic (<3% DMSO)	CAS No.: 64742-65-0	Limit value type: NGV Limit value (8 h) : 1 mg/m³ **Limit value (short term)** Value: 3 mg/m³	
Cobalt bis(2-ethylhexanoate)	CAS No.: 136-52-7	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	
Butane	CAS No.: 106-97-8	Limit value (8 h) : 1450 mg/m3 Limit value (8 h) : 600 ppm **Limit value (short term)** Value: 1810 mg/m3 **Limit value (short term)** Value: 750 ppm	
Propane	CAS No.: 74-98-6	Limit value (8 h) : 900 mg/m³ Limit value (8 h) : 500 ppm	

Control parameters comments	List source(s): EU – Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

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. No smoking, fire, sparks or welding. Provide good ventilation.

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 min Comments: Change protective gloves regularly in order to avoid penetration problems.
Thickness of glove material	Value: ≥ 0,38 mm

Skin protection

Skin protection remark	Wear protective clothing as needed.

Respiratory protection

Respiratory protection necessary at	Use respiratory protection when handling the product in confined areas. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Recommended respiratory protection	Filter apparatus type: Respirator with A filter (brown).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Aerosol.
Colour	Light brown
Odour	Slight.

Odour limit	Comments: Not determined.
Melting point / melting range	Comments: Not determined.
Flash point	Value: < 0 °C Comments: Mix of Butane/Propane
Density	Value: 910 -950 kg/m³ Temperature: 20 °C
Solubility	Comments: Soluble in organic solvents.
Partition coefficient: n-octanol/ water	Comments: Not determined.

9.2. Other information

Other physical and chemical properties

Comments	No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Keep away from heat / sparks / open flames / hot surfaces. — No smoking.

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	Avoid high temperatures and direct sunlight. Pressure chambers can explode in case of fire.

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	Baseoil – unspecified, Distillates (petroleum), solvent-refined heavy paraffinic (DMSO-extract <3%)
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50

	Route of exposure: Oral **Value:** > 2000 mg/kg **Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Dermal **Value:** > 2000 mg/kg
Substance	Destillate (petroleum), solventdewaxed heavy naphthenic (<3% DMSO)
Acute toxicity	**Effect tested:** LD50 **Route of exposure:** Oral **Value:** > 5000 mg/kg **Animal test species:** Rat **Effect tested:** LC50 **Route of exposure:** Inhalation. **Duration:** 4 h **Value:** > 5,5 mg/dm³ **Animal test species:** Rat
Substance	Cobalt bis(2-ethylhexanoate)
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Method:** OECD 425 **Value:** 3.129 mg/kg **Animal test species:** Rat **Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Dermal **Method:** OECD 402 **Value:** > 2.000 mg/kg **Animal test species:** Rat

Other information regarding health hazards

Acute toxicity, human experience	Not classified.
Skin corrosion / irritation, human experience	May cause an allergic skin reaction.
Eye damage or irritation, human experience	Reliable information on eye effects is lacking. There is no reason to suspect such effects, but handle it with care and report any symptoms or injuries to the manufacturer or the distributor
Inhalation	May cause headache and dizziness.
Skin contact	Defats the skin. Prolonged skin contact may cause skin irritation.
Eye contact	Stinging.
Ingestion	May cause: Abdominal pains. Vomiting.
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.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Destillate (petroleum), solventdewaxed heavy naphthenic (<3% DMSO)
Aquatic toxicity, fish	**Toxicity type:** Acute **Value:** > 100 mg/l **Effect dose concentration:** LC50 **Test duration:** 96 hour(s) **Species:** Oncorhynchus mykiss **Method:** LL50 **Test reference:** ECHA
Substance	Cobalt bis(2-ethylhexanoate)
Aquatic toxicity, fish	**Toxicity type:** Chronic **Value:** 41,6 mg/l **Effect dose concentration:** LC50 **Exposure time:** 28 day(s) **Species:** Cyprinodon variegatus
Substance	Propane
Aquatic toxicity, fish	**Value:** 16,9 g/l **Test duration:** 96 hours **Method:** LC50
Substance	Destillate (petroleum), solventdewaxed heavy naphthenic (<3% DMSO)
Aquatic toxicity, algae	**Toxicity type:** Acute **Value:** > 100 mg/l **Effect dose concentration:** NOEC **Test duration:** 3 day(s) **Species:** Pseudokirchneriella subcapitata **Method:** NOEL **Test reference:** ECHA
Substance	Cobalt bis(2-ethylhexanoate)
Aquatic toxicity, algae	**Toxicity type:** Chronic **Value:** 0,0197 mg/l **Effect dose concentration:** EC10 **Exposure time:** 7 day(s) **Species:** Ceriodaphnia dubia
Substance	Propane
Aquatic toxicity, algae	**Value:** 11,3 mg/l **Test duration:** 72 hours **Method:** IC50
Substance	Propane
Aquatic toxicity, crustacean	**Value:** 16,3 g/l **Test duration:** 48 hours **Species:** Daphnia magna

	Method: EC50
Ecotoxicity	No information available

12.2. Persistence and degradability

Persistence and degradability description/evaluation	Not readily degradable.

12.3. Bioaccumulative potential

Bioaccumulation, comments	Has the potential to bioaccumulate.

12.4. Mobility in soil

Mobility	No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	The product does not contain any PBT or vPvB substance.

12.6. Other adverse effects

Additional ecological information	The product is not toxic or harmful to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Do not puncture aerosol containers. May be disposed of according to local regulations.
Appropriate methods of disposal for the contaminated packaging	Containers with liquid residues are hazardous waste. Empty containers should be transported to local recycling facility or waste treatment facility.
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: Yes
Other information	EWC code is only a suggestion, final consumer selects a suitable EWC code.

SECTION 14: Transport information

Dangerous goods	Yes

14.1. UN number

ADR/RID/ADN	1950
IMDG	1950
ICAO/IATA	1950

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	AEROSOLS
ADR/RID/ADN	AEROSOLS
IMDG	AEROSOLS
ICAO/IATA	AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR/RID/ADN	2.1
Classificaton code ADR/RID/ADN	5F
IMDG	2.1
ICAO/IATA	2.1

14.4. Packing group

14.5. Environmental hazards

ADR/RID/ADN	No
IMDG	No

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

Product name	AEROSOLS, FLAMMABLE

Additional information

Hazard label ADR/RID/ADN	2.1
Hazard label IMDG	2.1
Hazard label ICAO/IATA	2.1

ADR/RID Other information

Tunnel restriction code	D
Transport category	2

IMDG Other information

EmS	F-D, S-U

SECTION 15: Regulatory information

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

EEC-directive	2006/121/2006
Biocides	No

Nanomaterial	No
References (laws/regulations)	The product is classified and labelled in accordance with EEC guidelines or national legislation.
Legislation and regulations	Regulation (EC) nr. 1272/2008. Regulation (EC) nr. 2015/830
Comments	Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on or near a naked flame or any incandescent material. Keep away from sources of ignition. No smoking. Keep out of reach of children.

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)	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H351 Suspected of causing cancer H361fd Suspected of damaging fertility. Suspected of damaging the unborn child. H361f Suspected of damaging fertility. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.
Version	14
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