SAFETY DATA SHEET

Noxudol 1100 Black

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	30.10.2018

1.1. Product identifier

Product name	Noxudol 1100 Black
Article no.	39510

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*** PC9 Coatings and Paints, Fillers, Putties, Thinners 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]	Aquatic Chronic 2; H411

2.2. Label elements

Hazard pictograms (CLP)

Composition on the label	Zinc ortophosphate 5 -10 %, Water 35 – 40 %, Talc 20 – 25 %
Hazard statements	H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents at hazardous or special waste collection point.
EC label	Yes

2.3. Other hazards

Hazard description, general	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Other hazards	None

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Zinc ortophosphate	CAS No.: 7779-90-0 EC No.: 231-944-3	Aquatic Chronic 1; H410; M-factor (M=1) ; Aquatic Acute 1; H400; M-factor (M=1) ;	5 -10 %	
Ammonia	CAS No.: 1336-21-6 EC No.: 215-647-6	Skin Corr 1A;H314	< 0,1 %	
Water	CAS No.: 7732-18-5 EC No.: 231-791-2		35 – 40 %	
Polystyren	CAS No.: 9003-53-6 EC No.: 500-008-9		25 -30 %	
Talc	CAS No.: 14807-96-6 EC No.: 238-877-9		20 – 25 %	
Carbon black	CAS No.: 1333-86-4 EC No.: 215-609-9		~ 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 and rest.
Skin contact	Wash the skin with water and soap.
Eye contact	Flush immediately with water for at least 5 minutes. Keep eye wide open while flushing. Get medical attention if any discomfort continues.
Ingestion	Give water or milk, preferably with activated charcoal. 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). Water.

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. Combustible material.

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. Cover drains. Avoid release to the environment.

6.4. Reference to other sections

Other instructions	Absorb in a special absorbent and transport to approved waste management facility. Clean with water. Dispose of in accordance with local regulations.

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	Store between +2°C and +30°C. Do not bear frost. Shelf life 18 months if stored and handled as recommended.

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
Zinc ortophosphate	CAS No.: 7779-90-0	Limit value (8 h) : 10 mg/m³	
Ammonia	CAS No.: 1336-21-6	Limit value (8 h) : 25 ppm	TWA Year: 2007
Talc	CAS No.: 14807-96-6	Limit value (8 h) : 10 mg/m³	TWA Year: 1996

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	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	Protective clothing as needed.

Respiratory protection

Respiratory protection necessary at	Not necessary with normal handling.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Viscous substance.
Colour	Black.
Odour	Ammonia. Slight.
Odour limit	Comments: Not determined.
Melting point / melting range	Comments: Not determined.
Flash point	Value: > 100 °C
Density	Value: 1250 -1310 kg/m³ Temperature: 20 °C
Solubility	Comments: Soluble in water.

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 information available.

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	Zinc ortophosphate
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** > 5000 mg/kg **Animal test species:** Rat
Substance	Ammonia
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** 350 mg/kg **Animal test species:** Rat

Other information regarding health hazards

Acute toxicity, human experience	Not classified.
Skin corrosion / irritation, human experience	Causes skin irritation.
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	High concentrations may cause: Indisposition.
Skin contact	Prolonged skin contact may cause skin irritation.
Eye contact	May cause unpleasantness.
Ingestion	High concentrations may cause: Indisposition.
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	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Zinc ortophosphate
Aquatic toxicity, fish	**Value:** > 0,14 mg Zn^2/l **Test duration:** 96h **Species:** Oncorhynchus mykiss **Method:** LC50

Substance	Ammonia
Aquatic toxicity, fish	**Value:** < 0,024 mg/L **Test duration:** 96 h **Method:** LC50
Substance	Zinc ortophosphate
Aquatic toxicity, algae	**Value:** > 0,04 mg Zn^2/l **Test duration:** 48h **Species:** Selenastrum capricornutum **Method:** EC50
Substance	Zinc ortophosphate
Aquatic toxicity, crustacean	**Value:** > 0,136 mg Zn^2/l **Test duration:** 72h **Species:** Daphnia magna **Method:** EC50
Ecotoxicity	Toxic to aquatic organisms. May cause longterm adverse effects in the aquatic environment.

12.2. Persistence and degradability

Persistence and degradability, comments	The product is not easily, but potentially biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	Has the potential to bioaccumulate.

12.4. Mobility in soil

Mobility	No data available.

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	Toxic to aquatic organisms, may cause long-term adverse effect in the aquatic 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: 08 04 15 aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances Classified as hazardous waste: Yes
EWL packing	Classified as hazardous waste: No

SECTION 14: Transport information

Dangerous goods	Yes

14.1. UN number

ADR/RID/ADN	3082
IMDG	3082
ICAO/IATA	3082

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
ICAO/IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN	9
Classificaton code ADR/RID/ADN	M6
IMDG	9
ICAO/IATA	9

14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

ADR/RID/ADN	Yes
IMDG	Yes
IMDG Marine pollutant	Yes

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

Product name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Additional information

Hazard label ADR/RID/ADN	9
Hazard label IMDG	9
Hazard label ICAO/IATA	9

ADR/RID Other information

Tunnel restriction code	-
Transport category	3
Hazard No.	90
Other applicable information ADR/ RID	90

IMDG Other information

EmS	F-A, S-F

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. In case of uncertainties we advise you to make own tests or ask for written directions from us.
List of relevant H-phrases (Section 2 and 3)	H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aquatic Chronic 2; H411
Version	10
Expired date	30.10.2021