

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/21/2016

Reviewed on 01/21/2016

*** 1 Identification****· Product Identifier****· Trade name: Noxudol 720 Spray****· Product Number:** 41720**· Relevant identified uses of the substance or mixture and uses advised against:****· Product Description** Corrosion inhibitor**· Details of the Supplier of the Safety Data Sheet:****· Manufacturer/Supplier:**

Manufacturer: Auson AB

Verkstadsgatan 3

S-434 42 Kungsbacka Sweden

www.auson.se

Phone: +46 300-562000

Fax: +46 300-562001

US Distributor: Soken Trade Corporation

12055 Sherman Way

North Hollywood, CA USA

www.noxudolusa.com

Phone: (818) 308-8430

Fax: (818) 308-8428

· Emergency telephone number:

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

*** 2 Hazard(s) Identification****· Classification of the substance or mixture:**

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

· Label elements:**· GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:

GHS07

· Signal word: Warning**· Hazard statements:**

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

(Contd. on page 2)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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Trade name: Noxudol 720 Spray

Precautionary statements:

- Do not pierce or burn, even after use.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Do not breathe dusts or mists.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves.
- Wash thoroughly after handling.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- Wash contaminated clothing before reuse.
- If skin irritation occurs: Get medical advice/attention.
- If skin irritation or rash occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- IF ON SKIN: Wash with plenty of water.
- Take off contaminated clothing and wash it before reuse.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

0 % of the mixture consists of component(s) of unknown toxicity.

Classification system:

NFPA ratings (scale 0 - 4)



HMIS-ratings (scale 0 - 4)



Hazard(s) not otherwise classified (HNOC): None known

*** 3 Composition/Information on Ingredients**

Chemical characterization: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous Components:

CAS: 61789-86-4	Sulfonic acids, petroleum, calcium salts Aquatic Chronic 4, H413	2-12%
CAS: 100-37-8 RTECS: KK 5075000	2-diethylaminoethanol ⚠ Flam. Liq. 3, H226; ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	≤ 2.5%

*** 4 First-Aid Measures**

Description of first aid measures:

General information:

- Immediately remove any clothing soiled by the product.
- Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

(Contd. on page 3)

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OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/21/2016

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· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Drink copious amounts of water and provide fresh air. Immediately call a doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

* 5 Fire-Fighting Measures

· **Extinguishing media:**

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture:**

Pressurised container, protect from sunlight and do not expose to temperatures exceeding 50 °C.

· **Advice for firefighters:**

· **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* 6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Use neutralizing agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

· **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

* 7 Handling and Storage

· **Handling**

· **Precautions for safe handling:** Ensure good ventilation/exhaustion at the workplace.

· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities:**

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurized containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Protect from frost.

Keep receptacle tightly sealed.

(Contd. on page 4)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/21/2016

Reviewed on 01/21/2016

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- **Specific end use(s):** No further relevant information available.

*** 8 Exposure Controls/Personal Protection**

- **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters:**

· **Components with occupational exposure limits:**

100-37-8 2-diethylaminoethanol

PEL	Long-term value: 50 mg/m ³ , 10 ppm Skin
REL	Long-term value: 50 mg/m ³ , 10 ppm Skin
TLV	Long-term value: 9.6 mg/m ³ , 2 ppm Skin

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing and wash before reuse.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**



Tightly sealed goggles

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OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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*** 9 Physical and Chemical Properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**· **Form:** Aerosol· **Color:** Beige· **Odor:** Amine-like· **Odor threshold:** Not determined.· **pH-value @ 20 °C (68 °F):** 9.0-10.0· **Change in condition**· **Melting point/Melting range:** Not determined.· **Boiling point/Boiling range:** 100 °C (212 °F)· **Flash point:** Not applicable, as aerosol.· **Flammability (solid, gaseous):** Not applicable.· **Ignition temperature:** 260 °C (500 °F)· **Decomposition temperature:** Not determined.· **Auto igniting:** Product is not self-igniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Explosion limits:**· **Lower:** 0.0 Vol %· **Upper:** 28.0 Vol %· **Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)
9.5 bar at 20°C· **Density @ 20 °C (68 °F):** 0.99 g/cm³ (8.262 lbs/gal)· **Relative density:** Not determined.· **Vapor density:** Not determined.· **Evaporation rate:** Not applicable.· **Solubility in / Miscibility with:**· **Water:** Fully miscible.· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:**· **Dynamic:** Not determined.· **Kinematic:** Not determined.· **Solvent content:**· **Organic solvents:** 0.0 %· **Water:** 60-80 %· **Other information:** No further relevant information available.*** 10 Stability and Reactivity**· **Reactivity:** No further relevant information available.· **Chemical stability:** Stable under normal conditions.· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.· **Possibility of hazardous reactions:** No dangerous reactions known.

(Contd. on page 6)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/21/2016

Reviewed on 01/21/2016

Trade name: Noxudol 720 Spray

- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

*** 11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

100-37-8 2-diethylaminoethanol

Oral	LD50	1300 mg/kg (rat)
Inhalative	LC50/4 h	5 mg/l (mouse)

- **Primary irritant effect:**
- **On the skin:** Strong caustic effect on skin and mucous membranes.
- **On the eye:** Corrosive effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Corrosive
Irritant
Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

*** 12 Ecological Information**

· **Toxicity:**

· **Aquatic toxicity:**

100-37-8 2-diethylaminoethanol

EC50	83.6 mg/L (daphnia)
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- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

(Contd. on page 7)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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Trade name: Noxudol 720 Spray**13 Disposal Considerations**

- **Waste treatment methods:**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

***14 Transport Information**

- **UN-Number:** UN1950
- **DOT, ADR, IMDG, IATA** UN1950
- **UN proper shipping name:** Aerosols, non-flammable, containing substances in Class 8, Packing Group II
- **DOT** UN1950 Aerosols
- **ADR** AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, non-flammable, containing substances in Class 8, Packing Group II
- **Transport hazard class(es):**
- **DOT**



- **Class:** 2.2
- **Label:** 2.2+8

· **ADR**

- **Class:** 2 5C Gases
- **Label:** 2.2+8

· **IMDG, IATA**

- **Class:** 2.2
- **Label:** 2.2+8
- **Packing group:** Non-Regulated Material
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Warning: Gases
- **Danger code (Kemler):** -
- **EMS Number:** F-D,S-U

(Contd. on page 8)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **Transport/Additional information:**
- **DOT**
- **Quantity limitations:** On passenger aircraft/rail: 75 kg
On cargo aircraft only: 150 kg

- **ADR**
- **Excepted quantities (EQ):** Code: E0
Not permitted as Excepted Quantity

- **IMDG**
- **Limited quantities (LQ):** 1L
- **Excepted quantities (EQ):** Code: E0
Not permitted as Excepted Quantity
- **UN "Model Regulation":** UN1950, Aerosols, 2.2 (8)

***15 Regulatory Information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**
None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**
None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

· **California Proposition 65:**

· **Chemicals known to cause cancer:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients are listed.

- **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**
None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**
None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**
None of the ingredients are listed.

- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 9)

Safety Data Sheet (SDS)

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Trade name: Noxudol 720 Spray

Hazard pictograms:



GHS07

Signal word: Warning

Hazard statements:

- Causes skin irritation.
- Causes serious eye irritation.
- May cause an allergic skin reaction.

Precautionary statements:

- Do not pierce or burn, even after use.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Do not breathe dusts or mists.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves.
- Wash thoroughly after handling.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
- Wash contaminated clothing before reuse.
- If skin irritation occurs: Get medical advice/attention.
- If skin irritation or rash occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- IF ON SKIN: Wash with plenty of water.
- Take off contaminated clothing and wash it before reuse.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations:

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

State Right to Know:

CAS: 7732-18-5	Water, distilled water, deionized water	60-90%
CAS: 61789-86-4	Sulfonic acids, petroleum, calcium salts Aquatic Chronic 4, H413	2-12%
CAS: 100-37-8 RTECS: KK 5075000	2-diethylaminoethanol ⚠ Flam. Liq. 3, H226; ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	≤ 2.5%
CAS: 7727-37-9 RTECS: QW 9700000	Nitrogen ⚠ Press. Gas, H280; Simple Asphyxiant	≤ 2.5%
None of the ingredients are listed.		

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

***16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

(Contd. on page 10)

Safety Data Sheet (SDS)

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Trade name: Noxudol 720 Spray**· Date of preparation / last revision: 01/21/2016 / 5****· Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

· * Data compared to the previous version altered.SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106