

**Safety Data Sheet (SDS)**

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

Issue date 01/07/2016

Reviewed on 01/07/2016

**\* 1 Identification****· Product Identifier****· Trade name: Noxudol 900 D****· Product Number:** 30010**· 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:**

GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

Carc. 1B H350 May cause cancer.



GHS07

STOT SE 3 H335 May cause respiratory irritation.

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

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

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**Trade name: Noxudol 900 D****Hazard pictograms:**

GHS02 GHS07 GHS08

**Signal word:** Danger**Hazard-determining components of labeling:**

Asphalt, oxidized

**Hazard statements:**

Flammable liquid and vapor.

May cause cancer.

May cause respiratory irritation.

**Precautionary statements:**

Keep away from flames and hot surfaces. – No smoking.

Use explosion-proof electrical/ventilating/lighting/equipment.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves / eye protection / face protection.

Ground/bond container and receiving equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

IF exposed or concerned: Get medical advice/attention.

In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Unknown acute toxicity:**

47 % of the mixture consists of component(s) of unknown toxicity.

**Classification system:****NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 2

Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

HEALTH 1 Health = 1

FIRE 2 Fire = 2

REACTIVITY 0 Reactivity = 0

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

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**\* 3 Composition/Information on Ingredients**

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous Components:**

64742-93-4	Asphalt, oxidized	☠ Carc. 1B, H350; ⚠ STOT SE 3, H335	25-50%
64742-48-9	Naphtha (petroleum), hydrotreated heavy	☠ Asp. Tox. 1, H304; Flam. Liq. 4, H227	25-50%
61789-86-4	Sulfonic acids, petroleum, calcium salts	Aquatic Chronic 4, H413	≤ 2.5%

**\* 4 First-Aid Measures**

- **Description of first aid measures:**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Do not induce vomiting; immediately call for medical help.  
Immediately give a few tablespoons of cooking oil, sour cream, cream, or melted ice cream (large amounts of fat) if the patient is fully conscious.
- **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:**  
CO<sub>2</sub>, 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.  
Combustible liquid. Vapors can travel to a source of ignition and flash back.  
Explosive mixtures may occur at temperatures at or above flashpoint.
- **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:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).  
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.

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See Section 13 for disposal information.

**\* 7 Handling and Storage**

- **Handling**
- **Precautions for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **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:** Store in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep away from all sources of ignition (sparks, flame, smoking) during storage AND transportation.  
Protect from frost.  
Keep receptacle tightly sealed.
- **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:**

· <b>Components with occupational exposure limits:</b>	
<b>64742-48-9 Naphtha (petroleum), hydrotreated heavy</b>	
TWA	Short-term value: 600 mg/m <sup>3</sup> , 100 ppm Long-term value: 300 mg/m <sup>3</sup> , 50 ppm
<b>61789-86-4 Sulfonic acids, petroleum, calcium salts</b>	
ACGIH	Ceiling limit value: 5 mg/m <sup>3</sup>
ACGIH TLV	Ceiling limit value: 5 mg/m <sup>3</sup>
OSHA PEL	Ceiling limit value: 5 mg/m <sup>3</sup>

- **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:**  
The usual precautionary measures for handling chemicals should be followed.  
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.
- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

- **Material of gloves:**  
The selection of the suitable gloves depends on the material, and marks of quality, and varies from manufacturer to manufacturer.

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· **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:**



Goggles recommended during refilling.

\* **9 Physical and Chemical Properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Liquid  
**Color:** Black

· **Odor:** Characteristic

· **Odor threshold:** Not determined.

· **pH-value:** Acidic

· **Change in condition**

**Melting point/Melting range:** Not determined.  
**Boiling point/Boiling range:** 150 °C (302 °F)

· **Flash point:** 40 °C (104 °F)

· **Flammability (solid, gaseous):** Spontaneous combustability Value: > 200 °C

· **Ignition temperature:** 240 °C (464 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

**Lower:** 0.6 Vol %  
**Upper:** 7.0 Vol %

· **Vapor pressure @ 20 °C (68 °F):** 4 hPa (3 mm Hg)

· **Density @ 20 °C (68 °F):** 1.04 g/cm<sup>3</sup> (8.679 lbs/gal)

· **Relative density:** Not determined.

· **Vapor density:** Not determined.

· **Evaporation rate:** Not determined.

· **Solubility in / Miscibility with:**

**Water:** Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

**Dynamic:** Not determined.  
**Kinematic:** Not determined.

· **Solvent content:**

**Organic solvents:** 0.0 %

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- **VOC content:** 840.0 g/l / 7.01 lb/gl
- **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.
- **Conditions to avoid:** Heat, flame and ignition sources.
- **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:**

**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
Inhalative	LC50/4 h	>5000 mg/l (rat)
	LC50/96 hours	>100 mg/l (Trout)

**61789-86-4 Sulfonic acids, petroleum, calcium salts**

Oral	LD50	20000 mg/kg (rat)
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- **Primary irritant effect:**
- **On the skin:**  
May be irritating.  
May cause an allergic skin reaction.
- **On the eye:** May be irritating.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**  
Group 1 - Carcinogenic to humans  
Group 2A - Probably carcinogenic to humans  
Group 2B - Possibly carcinogenic to humans  
Group 3 - Not classifiable as to its carcinogenicity to humans  
Group 4 - Probably not carcinogenic to humans

64742-93-4	Asphalt, oxidized	2A
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· **NTP (National Toxicology Program):**

None of the ingredients are listed.

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

None of the ingredients are listed.

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**\* 12 Ecological Information**

· **Toxicity:**

· **Aquatic toxicity:**

**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

EC50	>100 mg/l (Green algae)
	>100 mg/l (daphnia)

· **Persistence and degradability:** Easily biodegradable

· **Behavior in environmental systems:**

· **Bioaccumulative potential:**

Bioaccumulates in the aquatic environment. Log Pow = 2-7, which indicates a low potential of bioaccumulation (the values are estimated).

· **Mobility in soil:** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment:**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects:** No further relevant information available.

**\* 13 Disposal Considerations**

· **Waste treatment methods:**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

**\* 14 Transport Information**

· **UN-Number:**

· **DOT, ADR, IMDG, IATA**

UN1139

· **UN proper shipping name:**

· **DOT, IATA**

Coating solution

· **ADR**

UN1139 Coating solution

· **IMDG**

COATING SOLUTION

· **Transport hazard class(es):**

· **DOT**



· **Class:**

3 Flammable liquids

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**Trade name: Noxudol 900 D**

· **Label:** 3

· **ADR, IMDG, IATA**



· **Class:** 3 Flammable liquids  
 · **Label:** 3  
 · **Packing group:** III  
 · **DOT, ADR, IMDG, IATA** III  
 · **Environmental hazards:** Not applicable.  
 · **Special precautions for user:** Warning: Flammable liquids  
 · **EMS Number:** F-E,S-E  
 · **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: 60 L  
 On cargo aircraft only: 220 L

· **ADR**  
 · **Excepted quantities (EQ):** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml  
 · **UN "Model Regulation":** UN 1139 COATING SOLUTION, 3, III

**\*15 Regulatory Information**

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

· <b>Section 355 (extremely hazardous substances):</b>	None of the ingredients are listed.
· <b>Section 313 (Specific toxic chemical listings):</b>	None of the ingredients are listed.
· <b>TSCA (Toxic Substances Control Act):</b>	All ingredients are listed.
· <b>California Proposition 65:</b>	
· <b>Chemicals known to cause cancer:</b>	None of the ingredients are listed.
· <b>Chemicals known to cause reproductive toxicity for females:</b>	None of the ingredients are listed.
· <b>Chemicals known to cause reproductive toxicity for males:</b>	None of the ingredients are listed.
· <b>Chemicals known to cause developmental toxicity:</b>	None of the ingredients are listed.

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· **Carcinogenic categories:**

· <b>EPA (Environmental Protection Agency):</b>
None of the ingredients are listed.

· <b>TLV (Threshold Limit Value established by ACGIH):</b>
None of the ingredients are listed.

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

· **GHS label elements**

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

· **Hazard pictograms:**



GHS02 GHS07 GHS08

· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Asphalt, oxidized

· **Hazard statements:**

- Flammable liquid and vapor.
- May cause cancer.
- May cause respiratory irritation.

· **Precautionary statements:**

- Keep away from flames and hot surfaces. – No smoking.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves / eye protection / face protection.
- Ground/bond container and receiving equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- Call a POISON CENTER/doctor if you feel unwell.
- IF exposed or concerned: Get medical advice/attention.
- In case of fire: Use for extinction: CO2, powder or water spray.
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- 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.
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· **State Right to Know:**

64742-93-4	Asphalt, oxidized	Carc. 1B, H350;  STOT SE 3, H335	25-50%
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64742-48-9	Naphtha (petroleum), hydrotreated heavy	⚠ Asp. Tox. 1, H304; Flam. Liq. 4, H227	25-50%
61789-86-4	Sulfonic acids, petroleum, calcium salts	Aquatic Chronic 4, H413	≤ 2.5%
All 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.

· **Date of preparation / last revision:** 01/07/2016 / 4

· **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)
- VOC: Volatile Organic Compounds (USA, EU)
- 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
- Flam. Liq. 4: Flammable liquids, Hazard Category 4
- Carc. 1B: Carcinogenicity, Hazard Category 1B
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

· **\* Data compared to the previous version altered.**

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