

## Safety Data Sheet (SDS)

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

Issue date 09/28/2015

Reviewed on 09/28/2015

### \* 1 Identification

- **Product Identifier**
- **Trade name:** NuFlo H2S XPR40
- **Product Number:** ofc-h2s-XPR40
- **Relevant identified uses of the substance or mixture and uses advised against:** Oilfield H2S Scavenger
- **Product Description** Liquid H2S Scavenger
- **Application of the substance / the mixture:** H2S Scavenger
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
 NuGenTec Oilfield Chemicals  
 1155 Park Avenue, Emeryville, CA 94608  
 ofcadmin@nugentec.com www.nugentec.com/oilfield  
 888-996-8436 or 707-891-3012 for product information
- **Emergency telephone number:**  
 PERS Emergency Response: Domestic and Canada - 1-800-633-8253, International 1-801-629-0667

### \* 2 Hazard(s) Identification

- **Classification of the substance or mixture:**



GHS02 Flame

Flam. Liq. 3      H226 Flammable liquid and vapor.



GHS06 Skull and crossbones

Acute Tox. 3      H331 Toxic if inhaled.



GHS08 Health hazard

Resp. Sens. 1      H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Muta. 1B          H340 May cause genetic defects.

Carc. 1B          H350 May cause cancer.

Repr. 1B          H360 May damage fertility or the unborn child.

STOT SE 1        H370 Causes damage to organs.

STOT RE 1        H372 Causes damage to organs through prolonged or repeated exposure.



GHS05 Corrosion

Skin Corr. 1B      H314 Causes severe skin burns and eye damage.

Eye Dam. 1        H318 Causes serious eye damage.



GHS09 Environment

Aquatic Acute 1    H400 Very toxic to aquatic life.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

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GHS07

Acute Tox. 4      H302 Harmful if swallowed.  
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:**

GHS02   GHS05   GHS06   GHS08   GHS09

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

Alkanolamine/aldehyde condensate  
Monoethanolamine  
Methanol

**Hazard statements:**

Flammable liquid and vapor.  
Harmful if swallowed.  
Toxic if inhaled.  
Causes severe skin burns and eye damage.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.  
May cause genetic defects.  
May cause cancer.  
May damage fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Very toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Do not breathe dusts or mists.  
[In case of inadequate ventilation] wear respiratory protection.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves / eye protection / face protection.  
Wear protective gloves.  
Wear eye protection / face protection.  
Ground/bond container and receiving equipment.  
Use only non-sparking tools.  
Avoid release to the environment.  
Take precautionary measures against static discharge.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.

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Contaminated work clothing must not be allowed out of the workplace.  
 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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Immediately call a POISON CENTER/doctor.  
 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Wash contaminated clothing before reuse.  
 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
 IF exposed or concerned: Get medical advice/attention.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 If swallowed: Rinse mouth. Do NOT induce vomiting.  
 Get medical advice/attention if you feel unwell.  
 In case of fire: Use for extinction: CO2, powder or water spray.  
 IF ON SKIN: Wash with plenty of water.  
 Collect spillage.  
 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.

**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**

7732-18-5	Water, distilled water, deionized water	25-50%
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**Chemical characterization: Mixtures**

**Description:** Mixture: consisting of the following components.

**Dangerous Components:**

CAS: 4719-04-4	Alkanolamine/aldehyde condensate ⚠ Acute Tox. 3, H301; Acute Tox. 3, H331; ⚠ Resp. Sens. 1B, H334; Muta. 1B, H340; Carc. 1B, H350; Repr. 1B, H360; STOT SE 1, H370; STOT RE 1, H372; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	30-60%
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**Trade name: NuFlo H2S XPR40**

CAS: 67-56-1 RTECS: PC 1400000	Methanol ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ STOT SE 1, H370	5-10%
CAS: 141-43-5 RTECS: KJ 5775000	Monoethanolamine ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Flam. Liq. 4, H227	2-12%

### \* 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 several hours; therefore medical observation is advised for at least 48 hours after the accident.

Remove breathing apparatus only after contaminated clothing have been completely removed.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

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

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:**

Immediately call a doctor.

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:**

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:**

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:**

Mouth respiratory protective device.

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:**

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

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- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).  
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.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Protect from heat.  
Protect against electrostatic charges.  
Keep protective respiratory device available.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
No further relevant information available..  
Protect from heat and direct sunlight.
- **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>67-56-1 Methanol</b>	
PEL	Long-term value: 260 mg/m <sup>3</sup> , 200 ppm
REL	Short-term value: 325 mg/m <sup>3</sup> , 250 ppm Long-term value: 260 mg/m <sup>3</sup> , 200 ppm Skin
TLV	Short-term value: 328 mg/m <sup>3</sup> , 250 ppm Long-term value: 262 mg/m <sup>3</sup> , 200 ppm Skin; BEI
<b>141-43-5 Monoethanolamine</b>	
PEL	Long-term value: 6 mg/m <sup>3</sup> , 3 ppm
REL	Short-term value: 15 mg/m <sup>3</sup> , 6 ppm Long-term value: 8 mg/m <sup>3</sup> , 3 ppm
TLV	Short-term value: 15 mg/m <sup>3</sup> , 6 ppm Long-term value: 7.5 mg/m <sup>3</sup> , 3 ppm

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· <b>Ingredients with biological limit values:</b>	
<b>67-56-1 Methanol</b>	
BEI	15 mg/L urine end of shift Methanol (background, nonspecific)

· **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.

Store protective clothing separately.

Avoid contact with the eyes.

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:**



Safety glasses

Tightly sealed goggles

### \* 9 Physical and Chemical Properties

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

· **General Information**

· **Appearance:**

· **Form:**

Liquid

· **Color:**

Yellow-brown

· **Odor:**

Recognizable

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- **Odor threshold:** Not determined.
- **pH-value @ 20 °C (68 °F):** 11
- **Change in condition**
  - **Melting point/Melting range:** Not determined.
  - **Boiling point/Boiling range:** 64 °C (147 °F)
- **Flash point:** 56 °C (133 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 0 °C (32 °F)
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Not determined.
- **Explosion limits:**
  - **Lower:** 0.0 Vol %
  - **Upper:** 44.0 Vol %
- **Vapor pressure @ 20 °C (68 °F):** 128 hPa (96 mm Hg)
- **Density @ 20 °C (68 °F):** 1.074 g/cm<sup>3</sup> (8.963 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
  - **Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - **Dynamic @ 20 °C (68 °F):** 25 mPas
  - **Kinematic:** Not determined.
- **Solvent content:**
  - **Organic solvents:** 15.0 %
  - **Water:** 45.0 %
  - **VOC content:** 15.0 %
- **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:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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### \* 11 Toxicological Information

· **Information on toxicological effects:**

· **Acute toxicity:**

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

**4719-04-4 Alkanolamine/aldehyde condensate**

Oral	LD50	535-580 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

**67-56-1 Methanol**

Oral	LD50	5628 mg/kg (rat)
Dermal	LD50	15800 mg/kg (rabbit)
Inhalative	LC50/4 h	128.2 mg/l (rat)
	LC50/96 hours	15400 mg/l (Trout)

**141-43-5 Monoethanolamine**

Oral	LD50	2050 mg/kg (rat)
Dermal	LD50	1000 mg/kg (rabbit)

· **Primary irritant effect:**

· **On the skin:**

Strong caustic effect on skin and mucous membranes.  
May cause an allergic skin reaction.

· **On the eye:**

Strong irritant with the danger of severe eye injury.  
Corrosive effect.  
Causes serious eye irritation.

· **Sensitization:**

Sensitization possible through inhalation.  
Sensitization possible through skin contact.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

- Toxic
- Harmful
- Corrosive
- Irritant
- Carcinogenic.

The product can cause inheritable damage.  
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.



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### \* 12 Ecological Information

- **Toxicity:**
- **Aquatic toxicity:**  
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

#### 4719-04-4 Alkanolamine/aldehyde condensate

EC50 (static)	119 mg/l (daphnia) (OECD Test Guideline 203, 96 hour, Static Test) 26.1 mg/l (Water flea)
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#### 67-56-1 Methanol

EC50	22000 mg/l (Green algae) 10000 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.
- **Ecotoxicological effects:**
- **Remark:**  
Very toxic for fish  
Toxic for fish
- **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.  
Must not reach bodies of water or drainage ditch undiluted or unneutralized.  
Poisonous for fish and plankton in water bodies.  
Very toxic for aquatic organisms  
Toxic for aquatic organisms
- **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.
- **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:**
- **DOT, ADR, IMDG, IATA** UN1992
- **UN proper shipping name:**
- **DOT** Flammable liquids, toxic, n.o.s. (Methanol, Alkanolamine/aldehyde condensate)

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- **ADR** UN1992 Flammable liquids, toxic, n.o.s. (Methanol, Alkanolamine/aldehyde condensate), ENVIRONMENTALLY HAZARDOUS
- **IMDG** FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL, Alkanolamine/aldehyde condensate), MARINE POLLUTANT
- **IATA** FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL, Alkanolamine/aldehyde condensate)

· **Transport hazard class(es):**

· **DOT**



- **Class:** 3 Flammable liquids
- **Label:** 3, 6.1

· **ADR**



- **Class:** 3 (FT1) Flammable liquids
- **Label:** 3+6.1

· **IMDG**



- **Class:** 3 Flammable liquids
- **Label:** 3/6.1

· **IATA**



- **Class:** 3 Flammable liquids
- **Label:** 3 (6.1)
- **Packing group:** III
- **DOT, ADR, IMDG, IATA** Product contains environmentally hazardous substances: Alkanolamine/aldehyde condensate
- **Environmental hazards:** Symbol (fish and tree)
- **Special marking (ADR):** Warning: Flammable liquids
- **Special precautions for user:** 36
- **Danger code (Kemler):** F-E,S-D
- **EMS Number:** F-E,S-D
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

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**Trade name: NuFlo H2S XPR40**

· **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

· **IMDG**

· **Limited quantities (LQ):**

· **Excepted quantities (EQ):**

5L  
Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":**

UN 1992 FLAMMABLE LIQUIDS, TOXIC, N.O.S. (METHANOL, ALKANOLAMINE/ALDEHYDE CONDENSATE), 3 (6.1), III, (D/E), ENVIRONMENTALLY HAZARDOUS

### \* 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):**

67-56-1 | Methanol

· **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:**

67-56-1 | Methanol

· **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).

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**Trade name: NuFlo H2S XPR40**

· **Hazard pictograms:**



GHS02 GHS05 GHS06 GHS08 GHS09

· **Signal word:** Danger

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

Alkanolamine/aldehyde condensate  
Monoethanolamine  
Methanol

· **Hazard statements:**

Flammable liquid and vapor.  
Harmful if swallowed.  
Toxic if inhaled.  
Causes severe skin burns and eye damage.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.  
May cause genetic defects.  
May cause cancer.  
May damage fertility or the unborn child.  
Causes damage to organs.  
Causes damage to organs through prolonged or repeated exposure.  
Very toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

· **Precautionary statements:**

Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Do not breathe dusts or mists.  
[In case of inadequate ventilation] wear respiratory protection.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves / eye protection / face protection.  
Wear protective gloves.  
Wear eye protection / face protection.  
Ground/bond container and receiving equipment.  
Use only non-sparking tools.  
Avoid release to the environment.  
Take precautionary measures against static discharge.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Contaminated work clothing must not be allowed out of the workplace.  
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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor.  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

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**Trade name: NuFlo H2S XPR40**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 Wash contaminated clothing before reuse.  
 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
 IF exposed or concerned: Get medical advice/attention.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 If swallowed: Rinse mouth. Do NOT induce vomiting.  
 Get medical advice/attention if you feel unwell.  
 In case of fire: Use for extinction: CO2, powder or water spray.  
 IF ON SKIN: Wash with plenty of water.  
 Collect spillage.  
 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.

· **State Right to Know:**

CAS: 7732-18-5	Water, distilled water, deionized water	25-50%
CAS: 4719-04-4	Alkanolamine/aldehyde condensate ⚠ Acute Tox. 3, H301; Acute Tox. 3, H331; ⚠ Resp. Sens. 1B, H334; Muta. 1B, H340; Carc. 1B, H350; Repr. 1B, H360; STOT SE 1, H370; STOT RE 1, H372; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	25-50%
CAS: 67-56-1 RTECS: PC 1400000	Methanol ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ STOT SE 1, H370	5-10%
CAS: 141-43-5 RTECS: KJ 5775000	Monoethanolamine ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Flam. Liq. 4, H227	2-12%
All ingredients are listed.		

· **Information about limitation of use:**

· **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:** 09/28/2015 / 1

· **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)

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## Safety Data Sheet (SDS)

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

Issue date 09/28/2015

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**Trade name: NuFlo H2S XPR40**

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  
Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Flam. Liq. 4: Flammable liquids, Hazard Category 4  
Acute Tox. 3: Acute toxicity, 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 Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A  
Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1  
Resp. Sens. 1B: Sensitisation - Respirat., Hazard Category 1B  
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1  
Muta. 1B: Germ cell mutagenicity, Hazard Category 1B  
Carc. 1B: Carcinogenicity, Hazard Category 1B  
Repr. 1B: Reproductive toxicity, Hazard Category 1B  
STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1  
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

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

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