



SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2008 (REACH) with its amendment (EU) 2015/830

AHS70

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: AHS 70
Product code: 294
Company name: Hugh Crane (Cleaning Equipment) Ltd
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Norwich NR13 3ES
Telephone: 01493 750072 **Fax** 01493 751854
Emergency tel: UK - National Poisons Info Service 0870 243 2241
Ireland - National Poisons Info Centre: 00353 1809 2566 (Healthcare professionals, 24/7)
(PO Box 1297 Beuamont Rd, Dublin 9) 00353 1809 2166 (Public, 08:00-22:00, 7/7)

Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Relevant Identified Uses

Main Use/Category: Professional
Description/Application: Hydroalcoholic gel.

Uses Advised Against

No additional information available.

2. HAZARDS IDENTIFICATION

Classification Of The Substance Or Mixture

According to Reg. (EC) No. 1272/2008 [CLP]

Classification under CLP: Flammable liquids, Category 2, H225
Serious eye damage/irritation, Category 2 H319
Hazardous to the aquatic environment, Chronic Hazard, Category 3 - H412
Full List of H Statements - see Section 16.

Adverse Physiochemical, Human Health And Environmental Effects

No additional information available.

Label elements

Label According to Reg. (EC) No. 1272/2008 [CLP]

Hazard pictograms: GHS02: Flame GHS07: Exclamation mark



CLP Signal words: Danger
Hazard statements (CLP): H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP): P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear eye protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P403+P235 - Store in a well-ventilated place. Keep cool.

Other hazards

No additional information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances: Not applicable
Mixtures:



Hazardous ingredients:

Ingredient	EINECS	CAS	REACH No	EG Annex	CLP Classification	Percent
ETHANOL	200-578-6	64-17-5	01-2119457610-73	603-002-00-5	Flam Liq.2 H225 Eye Irrit 2 H319	50-80%
TETRADECANOL	204-000-3	112-72-1	01-2119485910-33		Eye Irrit 2 H319 Aquatic Chronic 1, H410	<1%

For full text of H Statements see Section 16.

4. FIRST AID MEASURES

Description of first aid measures

General Advice: In case of doubt or persistent symptoms, always consult a physician. For symptom description see Section 11.

Inhalation: Remove to fresh air.

Skin Contact: Rinse with water.

Eye Contact: Wash with plenty of water and if necessary take medical advice.

Ingestion: Rinse mouth. Do not induce vomiting. Seek medical advice.

Most important symptoms and effects, both acute and delayed

Acute Effects Inhalation: No data available.

Acute Effects Skin: No data available

Acute Effects Eyes: Causes serious eye irritation.

Acute Effects Oral Route: No data available.

Indication of any immediate medical attention and special treatment needed

No additional information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Foam, powder, Carbon dioxide (CO₂), Water spray.

Special hazards arising from the substance or mixture: No additional information available.

Advice for fire-fighters: Use self-contained breathing apparatus and also a protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures

For Non-Emergency Personnel: Protective Equipment - see section 8.

For Emergency Responders: No additional information available.

Environmental precautions: Prevent liquid from entering sewers, watercourses, underground or low areas.

Methods And Material For Containment And Cleaning Up

Clean-up procedures: Wash away remainder with plenty of water.

Reference to other sections: No additional information available.

7. HANDLING AND STORAGE

Precautions For Safe Handling

Handling requirements: Do not eat, drink or smoke when using this product. Shower, eye shower and water point in proximity.

Hygiene Measures: Do not eat, drink or smoke when using this product.

Conditions For Safe Storage, Including Any Incompatibilities

Storage conditions: Store in original container. Protect from heat and sunlight.

Storage Temperature: 5-30°C.

Materials to Avoid: Not determined.

Storage Area: Store in a cool area. Keep container in a well ventilated place.

Specific end use(s): No additional information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Hazardous ingredients:



Ethanol (64-17-5)		
EU	IOELV TWA (mg/m ³)	1900 mg/m ³
EU	IOELV TWA (ppm)	1000 ppm
EU	IOELV STEL (mg/m ³)	9500 mg/m ³
EU	IOELV STEL (ppm)	5000 ppm
France	VME (mg/m ³)	1900 mg/m ³
France	VME (ppm)	1000 ppm
France	VLE (mg/m ³)	9500 mg/m ³
France	VLE (ppm)	5000 ppm
Ireland	Local name	Ethanol
Ireland	OEL (15 min ref) (ppm)	1000 ppm
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Ethanol
United Kingdom	WEL TWA (mg/m ³)	1920 mg/m ³
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

Tetradecanol (112-72-1)		
DNEL/DMEL (Workers)	Acute - systemic effects, dermal	125 mg/kg bodyweight/day
	Acute - systemic effects, inhalation	220 mg/m ³
	Long-term - systemic effects, dermal	125 mg/kg bodyweight/day
	Long-term - systemic effects, inhalation	220 mg/m ³
DNEL/DMEL (General population)	Acute - systemic effects, dermal	75 mg/kg bodyweight
	Acute - systemic effects, inhalation	65
	Acute - systemic effects, oral	75 mg/kg bodyweight
	Long-term - systemic effects, oral	75 mg/kg bodyweight/day
	Long-term - systemic effects, inhalation	65 mg/m ³
	Long-term - systemic effects, dermal	75 mg/kg bodyweight/day
PNEC (Water)	PNEC aqua (freshwater)	0,00032 mg/l
	aqua (marine water)	0,000032 mg/l
PNEC (Sediment)	PNEC sediment (freshwater)	0,36 mg/kg dwt
	PNEC sediment (marine water)	0,036 mg/kg dwt
PNEC (Soil)	PNEC soil	0,28 mg/kg dwt

Ethanol (64-17-5)		
DNEL/DMEL (Workers)	Acute - local effects, inhalation	1900 mg/m ³
	Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
	Long-term - systemic effects, inhalation	950 mg/m ³
DNEL/DMEL (General population)	Acute - local effects, inhalation	950 mg/m ³
	Long-term - systemic effects, oral	87 mg/kg bodyweight/day
	Long-term - systemic effects, inhalation	114 mg/m ³
	Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
PNEC (Water)	PNEC aqua (freshwater)	0,96 mg/l
	PNEC aqua (marine water)	0,79 mg/l
PNEC (Sediment)	PNEC sediment (Fresh water)	3,6 mk/kg dwt
	PNEC sediment (marine water)	2,9 mg/kg dwt
PNEC (Soil)	PNEC soil	0,638 mg/kg dwt
PNEC (Oral)	PNEC Oral (Secondary Poisoning)	0,70 mg/kg food
PNEC (STP)	PNEC Sewage Treatment Plant	580 mg/l

Exposure controls

Hand Protection:

No

Eye Protection:

Safety goggles (EN166)

Protective Equipment:

No special required clothing,

Respiratory protection:

No.



9. PHYSICAL AND CHEMICAL PROPERTIES

Information On Basic Physical And Chemical Properties

State:	Liquid
Physical State/Form:	Viscous liquid
Colour:	Colourless
Odour:	Alcohol odour
Odour Threshold:	No data available.
pH:	7.5 - 8.5
Relative evaporation rate (butylacetate=1):	No data available
Melting point/range:	No data available
Freezing point:	No data available
Boiling point/Boiling range:	> 35 °C
Flash point:	= 20 °C
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapour pressure:	No data available
Relative vapour density at 20°C:	No data available
Relative density:	0,863 - 0,873 (20°C)
Solubility:	Water: 100 % 20°C
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

Other information

VOC content:	72 %
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10. STABILITY AND REACTIVITY

Reactivity:	No additional information available.
Chemical stability:	Stable in use and storage conditions as recommended in item 7.
Possibility of Hazardous reactions:	No additional information available.
Conditions to avoid:	Heat, direct sunlight.
Materials to avoid:	No additional information available.
Haz. decomp. products:	Hazardous decomposition products may be released during prolonged heating like smoke, carbon monoxide and dioxide, nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified

Hazardous Ingredients

Hazardous Ingredient	Hazard
ETHANOL	LD50 oral rat > 2000 mg/kg LD50 dermal rabbit > 2000 mg/kg LC50 inhalation rat (Vapours - mg/l/4h) > 20 mg/l/4h

Skin corrosion/irritation:	Not classified
pH:	7,5 - 8,5
Serious eye damage/irritation:	Causes serious eye irritation.
pH:	7,5 - 8,5
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified



STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology - general: Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Harmful to aquatic life with long lasting effects.

Tetradecanol (112-72-1)	NOEC (Chronic)	>0,001 ≤0,01 mg/l)
Ethanol (64-17-5)	LC50 Fish 1 ErC50 (algae)	11200 mg/l 275 mg/l

12.2 Persistence and Degradability

Ethanol (64-17-5)	Biochemical Oxygen Demand (BOD) Chemical Oxygen Demand (COD)	0,1 g O ₂ /g substance 1,9 g O ₂ /g substance
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12.3. Bioaccumulative potential

Ethanol (64-17-5)	Log Kow	-0,3
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Tetradecanol (112-72-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Ethanol (64-17-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Regional legislation (waste): Follow the local regulation.
Waste treatment methods: Dispose of in accordance with relevant local regulations.
Waste / unused products: Do not discharge into drains or the environment.

14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

UN number (ADR): 1993

UN proper shipping name: Flammable liquid N.O.S. contains ethanol mixture

Transport Document Description (ADR): UN 1993 Flammable liquid, N.O.S. contains ethanol mixture, 3, III (D/E).

Transport hazard class (es) ADR

Transport Hazard Class: 3

Danger Labels: 3





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Packing group (ADR): III

Environmental Hazards

Dangerous for the Environment: No

Other Information: No supplementary information available.

Special Precautions For User

Overland Transport -

Classification Code (ADR): F1

Limited Quantities (ADR): 5l

Excepted Quantities (ADR): E1

Transport Category (ADR): 3

Tunnel code: D/E

Transport in Bulk According to Annex II of MARPOL and the IBC Code: Not applicable.

15. REGULATORY INFORMATION

Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture

EU Regulations: Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

VOC content: 72 %

Other information, restriction and

Prohibition regulations: Not affected by the conditions of restriction _ ANNEXE XVII.

National Regulations: No additional information available.

Chemical safety assessment: No additional information available.

16. OTHER INFORMATION

Revision Date: 16th October 2019.

Full text of H- and EUH-statements: Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2 Serious eye damage/eye irritation, Category 2
Flam. Liq. 2 Flammable liquids, Category 2
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 2	H225	On basis of test data
Eye Irrit. 2	H319	Calculation method
Aquatic Chronic 3	412	Calculation method

Legal disclaimer: *It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product*

End of Safety Data Sheet.