

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : GREASE - ASONIC GHY 72

1. Product and Company Identification

Product name: Asonic GHY 72 Grease
Synonyms: None
Item Numbers: - (Does not have an Edwards part number; referred to by the product name).

European Contact Details

Edwards, Manor Royal, Crawley
West Sussex, RH10 9LW, England
E-mail: info@edwardsvacuum.com

General enquiries

UK : +44 (0)1293 528844
France : +(33) 1 47 98 24 01
Germany : +(49) 6420-82-410
Italy : +(39) 0248-4471

US Contact Details

Edwards, Three Highwood Drive, Suite 3-10E,
Highwood Office Park, Tewksbury, MA 01876

General enquiries

+(1) 978-658-5410
Toll Free: 1-800-848-9800

24 h Emergency telephone number:

Chemtrec: 1-800-424-9300

2. Hazards Identification

EMERGENCY OVERVIEW

The product, when properly handled according to good working and hygienic practices, is not dangerous to human health and the environment.

For short and long term exposure effects, see Section 11 Toxicological data.

Eye Effects: No known hazards.
Skin Effects: Prolonged skin contact may cause skin irritation and/ dermatitis.
Ingestion/Oral Effects: No known hazards.
Inhalation Effects: Low volatility makes inhalation unlikely.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May aggravate pre-existing skin conditions.

NFPA Hazard codes		HMIS Hazard codes		Rating System
Health	0	Health	0	0 = No Hazard
Flammability	1	Flammability	1	1 = Slight Hazard
Instability	0	Reactivity	0	2 = Moderate Hazard
				3 = Serious Hazard
				4 = Severe Hazard

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : GREASE - ASONIC GHY 72

3. Composition/Information on Ingredients

Ingredient	% Weight	CAS No	Hazard class*	Risk phrase*
Ester oil	75 to 90	Not allocated	Not applicable	Not applicable
Polyurea	10 to 25	Not allocated	Not applicable	R53

*Hazard class & Risk phrase. These columns are only completed for ingredients which are classified as hazardous under EU Directive No 1272/2008 (as amended) and are present in sufficient concentration to make the overall substance hazardous. In all other situations, the column will be completed as "Not applicable".

4. First Aid Measures

Eyes:	Rinse opened eye for several minutes under running water. Treat symptomatically.
Skin:	Wash off with soap and plenty of water. Treat symptomatically.
Ingestion/Oral:	Do not induce vomiting. Obtain medical attention.
Inhalation:	Not expected. If high concentrations of mists or fumes are inhaled, remove to fresh air. If breathing problems occur, a qualified individual should administer oxygen or artificial respiration as indicated. Seek immediate medical attention.
Other Information:	None.

5. Fire Fighting Measures

Extinguishing Media:	Water spray, foam, dry powder and carbon dioxide. DO NOT use high volume water jet.
Fire and Explosion Hazard:	In case of fire the following can be released: carbon monoxide, hydrocarbons. Direct water stream may cause violent frothing. Cool endangered receptacles with water spray.
Special Protective Equipment for Fire Fighters:	Fire fighters should wear a self-contained breathing apparatus (SCBA) which meets appropriate standards operated in positive pressure mode and full turn out gear.

For Flammability Properties - see Section 9.

6. Accidental Release Measures

No personal protective equipment is required when dealing with a spill. For clean up, use mechanical handling equipment and dispose of collected material in accordance with local regulations. DO NOT allow product to reach ground water, water course or sewer system.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : GREASE - ASONIC GHY 72

7. Handling and Storage

Handling: No special handling advice required. No special precautions required against fire and explosion.

Storage: No special storage conditions required. Avoid oxidising agents. DO NOT store together with food. Store in original, sealed containers at room temperature.

8. Exposure Controls/Personal Protection

Exposure Limits:

Ingredient	ACGIH - TLV -	OSHA - PEL	Occupational Exposure Limits EH40 (UK)
Ester oil and Polyurea	Not applicable	Not applicable	Not applicable

Personal Protection:

Engineering Measures: No special measures required.

Respiratory Protection: No special protective equipment required.

Hand/Skin Protection: No special protective equipment required.

Eye/Face Protection: No special protective equipment required.

Hygiene Measures: Immediately remove all soiled and contaminated clothing.
Wash hands after use, apply skin cream.

Other/General Protection: None.

9. Physical and Chemical Properties

Appearance and Odour	Beige paste with a characteristic odour	Boiling point	No data available	°C/°F
pH (as supplied)	No data available	Drip Point	> 250 / 482	°C/°F
Solubility in Water	Insoluble	Auto Ignition	No data available	°C/°F
Volatile Content by Volume	No data available	Flash Point	Not applicable	°C/°F
Specific Gravity	0.96			
Vapour Pressure (mbar)	No data available	Vapour Pressure (Torr)	No data available	

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : GREASE - ASONIC GHY 72

10. Stability and Reactivity

Stability: Stable.

Material/Conditions to Avoid: Avoid strong oxidising agents.

Hazardous Decomposition: None in normal use. In case of fire, carbon monoxide, carbon dioxide and hydrocarbons can be released.

Hazardous Polymerisation: No data available.

11. Toxicological Information

For a comprehensive description for the various toxicological (health) effects which may arise if the user comes into contact with the substance or preparation refer to Section 2 Hazards Identification.

Animal data:

LD50 value: No data available.

LC50 value: No data available.

Carcinogenicity:

No information available.

12. Ecological Information

There are no known incidents of ecological damage, nor would be this be expected in normal use. May cause long-term adverse effects in the aquatic environment.

13. Disposal Considerations

Can be incinerated when in compliance with local and national regulations. There is no waste disposal key according the European Waste Catalogue (EWC). The waste code number has to be determined in accordance with the local waste disposal authority.

Contaminated packaging may be recycled after emptying, and a thorough and proper cleaning.

14. Transport Information

This product is not classified as dangerous under transport regulations.

PARAMETER	EUROPEAN	CANADIAN TDG	UNITED STATES DOT
Proper Shipping Name	Not applicable	Not applicable	Not applicable
Hazard Class	Not applicable	Not applicable	Not applicable
Identification Number	Not applicable	Not applicable	Not applicable
Shipping Label	Not applicable	Not applicable	Not applicable

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : GREASE - ASONIC GHY 72

15. Regulatory Information

European Regulatory Information

This product has been classified in accordance with EU Regulation No 1272/2008 (as amended) on the Classification, Labelling and Packaging of Substances and Mixtures.

Classified as dangerous to supply: No.

Risk Phrases: R53 - May cause long-term adverse effects in the aquatic environment.

Safety Phrases: Not applicable.

Symbols: None.

United States Regulatory Information

All materials contained in this product are on the U.S. Toxic Substances Control Act (TSCA).

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION:

This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and 40 CFR Part 372.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

Canadian Regulatory Information

WHMIS Classification: D2B.

All ingredients in this product are included in the Canadian DSL.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : GREASE - ASONIC GHY 72

16. Other Information

This MSDS is compiled in accordance with ANSI Z400.1 and Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Sources of information for this data sheet:

- Kluber Lubrication 'ASONIC GHY 72' Material Safety Data Sheet. Reviewed on 10.09.2009.

Glossary:

ACGIH - American Conference of Governmental Industrial Hygienists; **ANSI** - American National Standards Institute; **Canadian TDG** - Canadian Transportation of Dangerous Goods; **CAS** - Chemical Abstracts Service; **Chemtrec** - Chemical Transportation Emergency Center (US); **DSL** - Domestic Substances List; **EH40 (UK)** - HSE Guidance Note EH40 Occupational exposure limits; **EPCRA** - Emergency Planning and Community Right-to-Know Act; **HMIS** - Hazardous Material Information Service; **LC** - Lethal Concentration; **LD** - Lethal Dose; **NFPA** - National Fire Protection Association; **OSHA** - Occupational Safety and Health Administration, US department of Labour; **PEL** - Permissible exposure limit; **SARA (Title III)** - Superfund Amendments and Reauthorization Act; **SARA 313** - Superfund Amendments and Reauthorization Act, Section 313; **SCBA** - Self-Contained Breathing Apparatus; **STEL** - Short Term Exposure Limit; **TLV** - Threshold Limit Value; **TSCA** - Toxic Substances Control Act Public Law 94-469; **TWA** - Time-Weighted Average; **US DOT** - US Department of Transportation; **WHMIS** - Workplace Hazardous Materials Information System.

Revisions:

October 2010 - Data Sheet updated to reflect the latest regulatory and supplier safety information.

Although the information and recommendations in this data sheet are to the best of our knowledge correct, it is recommended that you make your own determination of the material's suitability for your purpose before you use it. The information contained in this data sheet has been reproduced from the manufacturers data; the accuracy of this information is the responsibility of the manufacturer. Edwards accept no responsibility for damage of any nature resulting from the use of, or the reliance upon, this data sheet.