



*** SAFETY DATA SHEET ***

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

PRODUCT NAME	ALCOSPERSER® 409
RECOMMENDED USE	For industrial use only.
SUPPLIER	Alco Chemical Elotex AG Industriestrasse 16 6203 Sempach Station Switzerland Emergency telephone: +41 (0)41 469 67 00 (business hours)

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY	Polyacrylic Acid Homopolymer Water based polymer solution		
<u>COMPONENT</u>	<u>EC NUMBER</u>	<u>CONCENTRATION %</u>	<u>EC SYMBOL</u> <u>RISK PHRASES</u>
No components which pose a risk.			

For full text of risk phrases, please refer to Section 16.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not classified as dangerous.

EYE	Contact with eyes causes redness and discomfort which is transient.
SKIN CONTACT	Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.

INHALATION	Unlikely to be hazardous by inhalation because of the low vapour pressure of the material at ambient temperature.
INGESTION	Low oral toxicity.
PHYSICO-CHEMICAL	No unusual hazards are expected.
ENVIRONMENTAL	Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

4. FIRST-AID MEASURES

EYE	Immediate medical attention is not required. Irrigate with eyewash solution or clean water until pain is relieved. If symptoms develop, obtain medical attention.
SKIN CONTACT	Immediate medical attention is not required. Wash skin with soap and water. If symptoms develop, obtain medical attention.
INHALATION	Immediate medical attention is not required. Remove to fresh air. Get medical attention if irritation persists.
INGESTION	If individual is conscious, give water to dilute stomach contents. Get prompt medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	CO ₂ ; Dry Chemical; Foam
SPECIAL FIREFIGHTING PROCEDURES	Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
FIRE & EXPLOSION HAZARDS	This is a water-based product and presents no particular fire or explosion hazard.
HAZARDOUS COMBUSTION PRODUCTS	Carbon monoxide, carbon dioxide.
LOWER EXPLOSION LIMIT (%)	Not applicable
UPPER EXPLOSION LIMIT (%)	Not applicable
AUTOFLAMMABILITY	Not available
FLASH POINT	Not applicable

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES	Adsorb spillages onto sand, earth or any suitable adsorbent material. Sweep up and shovel into waste drums. Wash the spillage area with water. Washings must be prevented from entering surface water drains. Disposal should be in accordance with local, state or national legislation.
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For safety and environmental precautions, please review entire Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE	Ambient.
HANDLING/STORAGE	Product contains hazardous volatile ingredients which could accumulate in the unvented headspace of drums or bulk storage vessels. Open drums in ventilated area. Avoid breathing vapours. Avoid extreme temperatures. Protect from freezing. This material should not be spilled, discharged, or flushed into sewers or public waterways.
SENSITIVE TO STATIC ELECTRICITY	No
SPECIAL SENSITIVITY	No special sensitivity.
SENSITIVITY TO MECHANICAL IMPACT	No

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	EXPOSURE LIMITS
OCCUPATIONAL EXPOSURE CONTROLS	
VENTILATION REQUIREMENTS	General.
EYE PROTECTION REQUIREMENTS	Safety glasses, goggles or face shield to protect against splashing. Personal eye protection should conform to EN 166.
GLOVE REQUIREMENTS	Gloves are recommended due to possible irritation. Gloves should conform to EN 374.
CLOTHING REQUIREMENTS	Uniforms, coveralls, or a lab coat should be worn.
CHANGE/REMOVAL OF CLOTHING	Remove contaminated clothing and launder before reuse.
WASH REQUIREMENTS	Wash before eating, drinking, or using toilet facilities.
RESPIRATORY REQUIREMENTS	None, unless there is a risk of inhaling sprayed material. Respirators should conform to EN 136 or EN 140 and be fitted with filters conforming to EN 143.

9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR PREPARATION	Preparation.
PHYSICAL FORM	Liquid
COLOUR	Colourless
ODOUR	Acrylic odour.
ODOUR THRESHOLD	Not available
pH AS IS	2.2 - 3.5
OXIDIZING PROPERTIES	Not applicable
BOILING POINT	100 °C
MELTING/FREEZING POINT	0 °C
SOLUBILITY IN WATER	Soluble
PARTITION COEFFICIENT (n-octanol/water)	Not applicable
RELATIVE DENSITY	1.18
BULK DENSITY	Not available
EVAPORATION RATE	1 (Water = 1)
VAPOUR PRESSURE (mmHg)	17 @ 25 °C
VAPOUR DENSITY (air=1)	0.6
VOLATILES	ca. 50 % Water
VOLATILE ORGANIC COMPOUNDS	Not available
AUTOFLAMMABILITY	Not available
FLASH POINT	Not applicable

10. STABILITY AND REACTIVITY

STABILITY	Stable
HAZARDOUS	Stable under normal temperature and pressure.
DECOMPOSITION PRODUCTS	

11. TOXICOLOGICAL INFORMATION

EYE	Contact with eyes causes redness and discomfort which is transient.
SKIN	Repeated or prolonged contact may cause defatting of the skin resulting in dryness, cracking and dermatitis.
INHALATION	Unlikely to be hazardous by inhalation because of the low vapour pressure of the material at ambient temperature.
INGESTION	Low oral toxicity.
EFFECTS OF CHRONIC EXPOSURE	Although this product has not been tested for chronic effects it is judged as having a low order of toxicity based on component information. Use of good industrial hygiene practices is recommended.
TARGET ORGANS	Not applicable.

12. ECOLOGICAL INFORMATION

POTENTIAL EFFECT ON ENVIRONMENT	Contributes to effluent BOD.
ECOTOXICITY	Low, but has a BOD contribution.
AQUATIC TOXICITY	None Established
MOBILITY	Miscible in water, and likely to be transported considerable distances if allowed ingress to water.
PERSISTENCE AND DEGRADABILITY	Not readily biodegradable.
POTENTIAL TO BIOACCUMULATE	The product has low potential for bioaccumulation.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS	Waste disposal should be in accordance with existing Community, National and local regulations.
EMPTY CONTAINER WARNINGS	Not needed.

14. TRANSPORT INFORMATION (See also section 9)

IATA CLASSIFICATION	Not classified as dangerous.
IMDG CLASSIFICATION	Not classified as dangerous.
ADR/RID	Not classified as dangerous.

15. REGULATORY INFORMATION

Not classified as dangerous.

EINECS All components of this product are listed in EINECS or ELINCS.

16. OTHER INFORMATION

REPLACES VERSION DATED
ORIGINAL DOCUMENT DATED 03/01/2005
FOR REGULATORY David Hart
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FULL TEXT OF RISK PHRASES FOR INGREDIENTS INDICATED IN SECTION 2:

No components which pose a risk.

Directives 1999/45/EC and 91/155/EEC have been considered when compiling this SDS; the information is provided for health and safety assessment by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation. This information does not constitute indication of suitability for specific uses.