

# **SAFETY DATA SHEET**

## **PRODUCT NAME:**

**MSE Wall Gel 7001**

**MSE Wall Gel 7001 is a combination package of 2 products.**

**MSE Wall Gell A-comp  
MSE Wall Gell B-comp**

## **MANUFACTURER:**

**SCHIPPERS EUROPE BV  
ROND DEEL 12  
5531 AH BLADEL - NEDERLAND**

**TELEPHONE NUMBER: +31 497 339771**

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : MSE Wall Gell A-comp

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Schippers Europe BV  
Rond Deel 12  
5531 AH Bladel - Nederland  
T +31 497 339771

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315  
Eye Irrit. 2 H319  
Skin Sens. 1 H317  
Aquatic Chronic 2 H411

Full text of H statements : see section 16

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS09

Signal word (CLP) :

Warning

Hazardous ingredients :

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane; Alkyl (C12-C14) glycidyl ether; Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

Hazard statements (CLP) :

H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water/...  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

#### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane	(CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8 (REACH-no) 01-2119456619-26	42 - 75	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Alkyl (C12-C14) glycidyl ether	(CAS-No.) 68609-97-2 (EC-No.) 271-846-8 (EC Index-No.) 603-103-00-4 (REACH-no) 01-2119485289-22	16 - 35	Skin Irrit. 2, H315 Skin Sens. 1, H317
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	(CAS-No.) 9003-36-5 (REACH-no) 01-2119454392-40	8 - 20	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane	(CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8 (REACH-no) 01-2119456619-26	(C >= 5) Skin Irrit. 2, H315 (C >= 5) Eye Irrit. 2, H319

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: Loosen tight clothing such as a collar, tie, belt or waistband. If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately. Treatment is symptomatic for primary irritation or bronchospasm. If breathing is laboured, oxygen should be administered by qualified personnel.
First-aid measures after skin contact	: Rinse immediately with plenty of water for 15 minutes. Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash skin with soap and water. When in doubt or if symptoms are observed, get medical advice. Wash clothing before re-using. Thoroughly clean shoes before re-using.
First-aid measures after eye contact	: Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists: Get medical advice/attention. Contact lenses should be removed.
First-aid measures after ingestion	: Immediately give plenty of water. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Take victim to fresh air, in a quiet place. If unconscious, place in the recovery position and seek medical advice. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Do not apply mouth-to-mouth resuscitation.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: No dangerous reactions known.
Symptoms/effects after skin contact	: skin irritation. Allergic reactions. Redness.
Symptoms/effects after eye contact	: Severe eye irritation. Pain. Lacrimation. Redness.
Symptoms/effects after ingestion	: May cause corrosion or irritation of the linings of the mouth, throat, and gastrointestinal tract.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Ingestion of large quantities: immediately to hospital.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: carbon dioxide (CO <sub>2</sub> ). extinguishing powder. high volume water jet or water based extinguishing media. In case of significant fire close by : Strong water jet.
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#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Heating will cause rise in pressure with risk of bursting. Toxic to aquatic life with long lasting effects.
Hazardous decomposition products in case of fire	: carbon oxides (CO and CO <sub>2</sub> ). Halogenated compounds.

#### 5.3. Advice for firefighters

Protection during firefighting	: Compressed air/oxygen apparatus. Flame Resistant Coveralls.
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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Other information : Keep public away. Provision to contain effluent from fire extinguishing. Do not allow run-off from fire fighting to enter drains or water courses. Dispose in a safe manner in accordance with local/national regulations.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing. Keep public away. Ensure adequate air ventilation.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

Protective equipment : Wear self-contained breathing apparatus and protective suit (see section 8).

#### 6.2. Environmental precautions

Contain the spilled material by bunding. Prevent liquid from entering sewers, watercourses, underground or low areas. In case of loss of large quantities, advice local authorities. Carefully collect remainder.

#### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible. Dispose of at a licensed waste collection centre. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Avoid release to the environment.

#### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8. Concerning disposal elimination after cleaning, see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Concerning personal protective equipment to use, see section 8. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Store according to local legislation.

Storage conditions : Store in the original container and with the original cap. Keep container closed when not in use. Do not re-use empty containers. Store in dry, cool, well-ventilated area.

Information on mixed storage : not necessary.

Storage area : The floor of the depot should be impermeable and designed to form a water-tight basin. Store in a dry, cool and well-ventilated place. Store in tightly closed containers. Smoking, eating and drinking should be prohibited in areas of storage and use.

Special rules on packaging : Containers which are opened should be properly resealed and kept upright to prevent leakage.

#### 7.3. Specific end use(s)

No supplementary information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Appropriate engineering controls : Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Avoid contact with skin and eyes. Use appropriate ventilation. If handling results in dust generation or high temperatures, local exhaust ventilation should be provided to insure that exposure to dust or decomposition products does not exceed the exposure recommended levels.

Personal protective equipment : Gloves. Protective goggles.

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Hand protection	: Impermeable protective gloves. Chemically resistant protective gloves. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Since the product consists of several substances, it is possible to estimate the durability of the glove material beforehand and it therefore needs to be tested before use. Butyl rubber gloves. Nitrile rubber gloves
Eye protection	: Protective goggles
Skin and body protection	: Wear suitable protective clothing. Impervious footwear must be worn
Respiratory protection	: not necessary. Only approved supplied air or self-contained breathing apparatus operated in positive pressure mode are satisfactory, if exposure can exceed the exposure limit value



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: white.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 150 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: ≈ 400 °C
Flammability (solid, gas)	: Not applicable
Vapour pressure	: < 2 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,12 kg/m <sup>3</sup>
Solubility	: Soluble in other organic solvents. Water: 0 %
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No direct explosion hazard.
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Product is stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization may occur if exposed to high temperature. Can react violently with alkalis, as well as a lot of organic products such as alcohols and amines.

### 10.4. Conditions to avoid

No supplementary information available.

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### 10.5. Incompatible materials

No supplementary information available.

### 10.6. Hazardous decomposition products

release of irritant gases/vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane (25068-38-6)	
LD50 oral rat	11400 mg/kg
LD50 dermal rat	2000 mg/kg

Alkyl (C12-C14) glycidyl ether (68609-97-2)	
LD50 oral rat	17,1 mg/kg

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> µl/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
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

## SECTION 12: Ecological information

### 12.1. Toxicity

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

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane (25068-38-6)	
LC50 fish 1	1,3 mg/l
EC50 Daphnia 1	2,1 mg/l
NOEC chronic crustacea	0,3 mg/l

Alkyl (C12-C14) glycidyl ether (68609-97-2)	
LC50 fish 1	> 1,8 g/l
EC50 Daphnia 1	7,2 mg/l
LC50 fish 2	> 5 g/l

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)	
LC50 fish 1	2,54 mg/l
EC50 Daphnia 1	2,55 mg/l

### 12.2. Persistence and degradability

MSE Wall Gell A-comp	
Persistence and degradability	Product is practically not biodegradable.

### 12.3. Bioaccumulative potential

MSE Wall Gell A-comp	
Bioaccumulative potential	No supplementary information available.

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane (25068-38-6)	
Log Pow	2,64 - 3,78

Alkyl (C12-C14) glycidyl ether (68609-97-2)	
Log Pow	3,77

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)	
Log Pow	3,3

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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Other adverse effects : Toxic to fish.

Additional information : Hazardous to water (WGK 2). Do not flush into surface water or sewer system. Toxic to aquatic organisms

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Sewage disposal recommendations : Must follow special treatment according to local regulation. Do not allow into drains or water courses.

Product/Packaging disposal recommendations : Do not re-use empty containers without proper cleaning or reconditioning.

Additional information : Hazardous waste. Recycling is preferred to disposal or incineration.

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR) : 3082

UN-No. (IMDG) : 3082

UN-No. (IATA) : 3082

UN-No. (ADN) : 3082

UN-No. (RID) : 3082

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.

Proper Shipping Name (ADN) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (RID) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy derivatives), 9, III, (E)

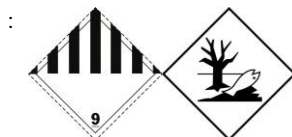
Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy derivatives), 9, III, MARINE POLLUTANT

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 9

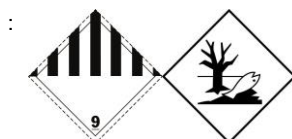
Danger labels (ADR) : 9



#### IMDG

Transport hazard class(es) (IMDG) : 9

Danger labels (IMDG) : 9



#### IATA

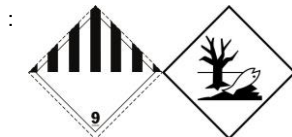
Transport hazard class(es) (IATA) : 9

# MSE Wall Gell A-comp

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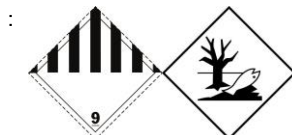
Hazard labels (IATA) : 9



### ADN

Transport hazard class(es) (ADN) : 9

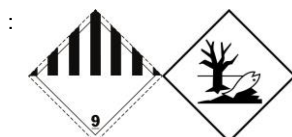
Danger labels (ADN) : 9



### RID

Transport hazard class(es) (RID) : 9

Danger labels (RID) : 9



#### 14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

#### 14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

#### 14.6. Special precautions for user

##### - Overland transport

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 601

Limited quantities (ADR) : 5l

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T4

Portable tank and bulk container special provisions (ADR) : TP1, TP29

Tank code (ADR) : LGBV

Vehicle for tank carriage : AT

Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13

Hazard identification number (Kemler No.) : 90



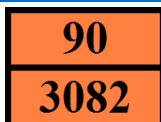
# MSE Wall Gell A-comp

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Orange plates

:



Tunnel restriction code (ADR)

: E

EAC code

: •3Z

### - Transport by sea

Special provisions (IMDG)

: 274, 335

Limited quantities (IMDG)

: 5 L

Excepted quantities (IMDG)

: E1

Packing instructions (IMDG)

: P001, LP01

Special packing provisions (IMDG)

: PP1

IBC packing instructions (IMDG)

: IBC03

Tank instructions (IMDG)

: T4

Tank special provisions (IMDG)

: TP2, TP29

EmS-No. (Fire)

: F-A

EmS-No. (Spillage)

: S-F

Stowage category (IMDG)

: A

### - Air transport

PCA Excepted quantities (IATA)

: E1

PCA Limited quantities (IATA)

: Y964

PCA limited quantity max net quantity (IATA)

: 30kgG

PCA packing instructions (IATA)

: 964

PCA max net quantity (IATA)

: 450L

CAO packing instructions (IATA)

: 964

CAO max net quantity (IATA)

: 450L

Special provisions (IATA)

: A97, A158, A197

ERG code (IATA)

: 9L

### - Inland waterway transport

Classification code (ADN)

: M6

Special provisions (ADN)

: 274, 335, 61

Limited quantities (ADN)

: 5 L

Excepted quantities (ADN)

: E1

Carriage permitted (ADN)

: T

Equipment required (ADN)

: PP

Number of blue cones/lights (ADN)

: 0

Carriage prohibited (ADN)

: No

Not subject to ADN

: No

### - Rail transport

Classification code (RID)

: M6

Special provisions (RID)

: 274, 335, 601

Limited quantities (RID)

: 5L

Excepted quantities (RID)

: E1

Packing instructions (RID)

: P001, IBC03, LP01, R001

Special packing provisions (RID)

: PP1

Mixed packing provisions (RID)

: MP19

Portable tank and bulk container instructions (RID)

: T4

Portable tank and bulk container special provisions (RID)

: TP1, TP29

Tank codes for RID tanks (RID)

: LGBV

Transport category (RID)

: 3

Special provisions for carriage – Packages (RID)

: W12

Special provisions for carriage - Loading, unloading and handling (RID)

: CW13, CW31

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Colis express (express parcels) (RID) : CE8  
Hazard identification number (RID) : 90  
Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

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

#### 15.1.2. National regulations

Hazardous to water (WGK 2)

##### Germany

Reference to AwSV : Water hazard class (WGK) 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)  
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : Alkyl (C12-C14) glycidyl ether is listed  
SZW-lijst van mutagene stoffen : Alkyl (C12-C14) glycidyl ether is listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Indication of changes:

The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty.

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : MSE Wall Gell B-comp

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Schippers Europe BV  
Rond Deel 12  
5531 AH Bladel - Nederland  
T +31 497 339771

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302  
Acute Tox. 4 (Inhalation) H332  
Skin Corr. 1 H314  
Eye Dam. 1 H318  
Skin Sens. 1 H317  
Aquatic Chronic 3 H412

Full text of H statements : see section 16

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazardous ingredients : Reaction product of 3-aminomethyl-3,5,5-trimethylcyclohexanamine with oligomerisation products of 4,4'-propane-2,2-diylidiphenol with 2-(chloromethyl)oxirane

Hazard statements (CLP) : H302+H332 - Harmful if swallowed or if inhaled  
H314 - Causes severe skin burns and eye damage.  
H317 - May cause an allergic skin reaction.  
H412 - Harmful to aquatic life with long lasting effects.  
H318 - Causes serious eye damage.

Precautionary statements (CLP) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.

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### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzyl alcohol	(CAS-No.) 100-51-6 (EC-No.) 202-859-9 (EC Index-No.) 603-057-00-5 (REACH-no) 01-2119492630-38	25 - 50	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
3-aminomethyl-3,5,5-trimethylcyclohexylamine	(CAS-No.) 2855-13-2 (EC-No.) 220-666-8 (EC Index-No.) 612-067-00-9 (REACH-no) 01-2119514687-32	25 - 50	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Reaction product of 3-aminomethyl-3,5,5-trimethylcyclohexylamine with oligomerisation products of 4,4'-propane-2,2-diylidiphenol with 2-(chloromethyl)oxirane	(CAS-No.) 38294-64-3 (EC-No.) 500-101-4 (REACH-no) 01-2119965165-33	25 - 50	Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Immediately call a POISON CENTER/doctor. Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. Do not apply mouth-to-mouth resuscitation. If unconscious place in recovery position and seek medical advice. Loosen tight clothing such as a collar, tie, belt or waistband. symptoms may be delayed.

First-aid measures after skin contact : Call a physician immediately. Wash with plenty of water/.... Remove clothing while washing. Rinse immediately with plenty of water for 15 minutes. Wash clothing before re-using. Thoroughly clean shoes before re-using.

First-aid measures after eye contact : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion : Immediately call a POISON CENTER/doctor. Rinse mouth. Take victim to fresh air, in a quiet place. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position and seek medical advice. Loosen tight clothing such as a collar, tie, belt or waistband.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : Harmful by inhalation.

Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction. Pain. Irritation. Blisters.

Symptoms/effects after eye contact : Serious damage to eyes. Pain. Redness. Lacrimation.

Symptoms/effects after ingestion : Harmful if swallowed. Gastrointestinal complaints.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

Explosion hazard : Heating will cause rise in pressure with risk of bursting.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Nitrogen oxides.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Keep public away. Compressed air/oxygen apparatus. Wear recommended personal protective equipment.

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Other information : Toxic to aquatic organisms. Provision to contain effluent from fire extinguishing. Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Only qualified personnel equipped with suitable protective equipment may intervene. Evacuate unnecessary personnel. In case of insufficient ventilation, wear suitable respiratory equipment. Wear suitable protective clothing.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible. Avoid release to the environment. Approach from upwind.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site. Dispose of contaminated materials in accordance with current regulations.

#### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid inhalation of vapour and spray mist. Concerning personal protective equipment to use, see section 8. Avoid contact with skin and eyes. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. Ensure adequate ventilation. Keep only in original container. Do not re-use empty containers.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store according to local legislation. Store in original container. Keep cool. Protect from sunlight. Keep container tightly closed and dry. Store in a well-ventilated place.

Storage area : Smoking, eating and drinking should be prohibited in areas of storage and use.

Special rules on packaging : Opened containers must be carefully closed and kept upright to avoid leakage. correctly labelled.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

Appropriate engineering controls : Use appropriate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Measure concentrations regularly, and at the time of any change occurring in conditions likely to have consequences on workers exposure.

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Hand protection	: Impermeable protective gloves. Chemically resistant protective gloves. Gloves must be replaced after each use and whenever signs of wear or perforation appear. Since the product consists of several substances, it is possible to estimate the durability of the glove material beforehand and it therefore needs to be tested before use. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Material. 730 Camatril. ( $\geq 30$ min). Material. 898 Butoject ( $\geq 480$ min)
Eye protection	: Safety glasses. Face shield
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment
Other information	: Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Amine-like.
Odour threshold	: No data available
pH	: $\approx 11$
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
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

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions.

#### 10.2. Chemical stability

Product is stable.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed. Inhalation: Harmful if inhaled.

MSE Wall Gell B-comp	
LD50 oral rat	1030 - 1230 mg/kg
LD50 oral	1639,4
LD50 dermal	4166,7 mg/kg
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1,5 mg/l/4h

Benzylic alcohol (100-51-6)	
LD50 oral rat	1620 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 4,178 mg/l air

3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
LD50 oral rat	1030 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 5,01 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: ≈ 11

Serious eye damage/irritation : Causes serious eye damage.

pH: ≈ 11

Respiratory or skin sensitisation : May cause an allergic skin reaction.

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

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

Benzylic alcohol (100-51-6)	
LC50 fish 1	460 mg/l
EC50 Daphnia 1	230 mg/l
LC50 fish 2	10 mg/l
ErC50 (algae)	770 mg/l
Threshold limit algae 1	640 mg/l

3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
LC50 fish 1	110 mg/l
EC50 Daphnia 1	23 mg/l
LC50 fish 2	110 mg/l

Reaction product of 3-aminomethyl-3,5,5-trimethylcyclohexylamine with oligomerisation products of 4,4'-propane-2,2-diylidiphenol with 2-(chloromethyl)oxirane (38294-64-3)	
LC50 fish 1	70,7 mg/l
EC50 Daphnia 1	11,1 mg/l

#### 12.2. Persistence and degradability

Benzylic alcohol (100-51-6)	
Biochemical oxygen demand (BOD)	1,6 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2,4 g O <sub>2</sub> /g substance
ThOD	2,5 g O <sub>2</sub> /g substance

Reaction product of 3-aminomethyl-3,5,5-trimethylcyclohexylamine with oligomerisation products of 4,4'-propane-2,2-diylidiphenol with 2-(chloromethyl)oxirane (38294-64-3)	
Biodegradation	0 %

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### 12.3. Bioaccumulative potential

Benzylic alcohol (100-51-6)	
Log Pow	1 - 1,1
3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
BCF other aquatic organisms 1	3,16
Log Pow	0,99

### 12.4. Mobility in soil

Benzylic alcohol (100-51-6)	
Surface tension	39 mN/m
3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	
Surface tension	3,47 N/m

### 12.5. Results of PBT and vPvB assessment

Component	
Benzylic alcohol (100-51-6)	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
3-aminomethyl-3,5,5-trimethylcyclohexylamine (2855-13-2)	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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions. Dispose of waste or used sacks/containers according to local regulations. Do not re-use empty containers without proper cleaning or reconditioning.
Additional information	: This material and its container must be disposed of in a safe way.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR)	: 2735
UN-No. (IMDG)	: 2735
UN-No. (IATA)	: 2735
UN-No. (ADN)	: 2735
UN-No. (RID)	: 2735

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (IMDG)	: AMINES, LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (IATA)	: Amines, liquid, corrosive, n.o.s.
Proper Shipping Name (ADN)	: AMINES, LIQUID, CORROSIVE, N.O.S.
Proper Shipping Name (RID)	: AMINES, LIQUID, CORROSIVE, N.O.S.
Transport document description (ADR)	: UN 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. ((Isophorone Diamine, Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and (chloromethyl)oxirane)), 8, II, (E)
Transport document description (IMDG)	: UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. ((Isophorone Diamine, Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine and (chloromethyl)oxirane)), 8, II

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR)	: 8
Danger labels (ADR)	: 8



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### IMDG

Transport hazard class(es) (IMDG) : 8  
Danger labels (IMDG) : 8



### IATA

Transport hazard class(es) (IATA) : 8  
Hazard labels (IATA) : 8



### ADN

Transport hazard class(es) (ADN) : 8  
Danger labels (ADN) : 8



### RID

Transport hazard class(es) (RID) : 8  
Danger labels (RID) : 8



### 14.4. Packing group

Packing group (ADR) : II  
Packing group (IMDG) : II  
Packing group (IATA) : II  
Packing group (ADN) : II  
Packing group (RID) : II

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

Special transport precautions : Always keep container in upright position.

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### - Overland transport

Classification code (ADR)	: C7
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container instructions (ADR)	: T11
Portable tank and bulk container special provisions (ADR)	: TP1, TP27
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Hazard identification number (Kemler No.)	: 80
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: 2X
APP code	: B

### - Transport by sea

Special provisions (IMDG)	: 274
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP1, TP27
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes.

### - Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y840
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA)	: 851
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 855
CAO max net quantity (IATA)	: 30L
Special provisions (IATA)	: A3
ERG code (IATA)	: 8L

### - Inland waterway transport

Classification code (ADN)	: C7
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0
Carriage prohibited (ADN)	: No

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Not subject to ADN : No

### - Rail transport

Classification code (RID) : C7  
Special provisions (RID) : 274  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E2  
Packing instructions (RID) : P001, IBC02  
Mixed packing provisions (RID) : MP15  
Portable tank and bulk container instructions (RID) : T11  
Portable tank and bulk container special provisions (RID) : TP1, TP27  
Tank codes for RID tanks (RID) : L4BN  
Transport category (RID) : 2  
Colis express (express parcels) (RID) : CE6  
Hazard identification number (RID) : 80  
Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

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

#### 15.1.2. National regulations

##### Germany

Reference to AwSV : Water hazard class (WGK) 3, Highly hazardous to water (Classification according to AwSV, Annex 1)  
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3

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Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Sens. 1	Skin sensitisation, Category 1
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*