

SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name

90.650 Unimix Glass Additive



chemius.net/srm5f

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

Relevant identified uses

Additive.

Uses advised against

No information.

1.3. Details of the supplier of the safety data sheet

Supplier

SILCO, D.O.O.

Address: Šentrupert 5 a, 3303 Gomilsko, Slovenia

Phone: +386 3 703 3180

Fax: +386 3 703 3188

E-mail: n.cvilak@silco-automotive.com

Point of contact for safety info: Nejc Cvilak

1.4. Emergency telephone number

Emergency

112

Supplier

+386 3 703 3180

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 3; H226 Flammable liquid and vapour.

Eye Dam. 1; H318 Causes serious eye damage.

STOT SE 3; H336 May cause drowsiness or dizziness.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**

2.2 Label elements

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



Signal word: **Danger**

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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.

P501 Dispose of contents/container in accordance with national regulation.

2.2.2. Contains:

n-butyl acetate (CAS: 123-86-4, EC: 204-658-1, Index: 607-025-00-1)

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (CAS: 2530-83-8, EC: 219-784-2)

2.2.3. Special provisions

Special hazards are not known or expected.

2.3. Other hazards

No information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

For mixtures see 3.2.

3.2. Mixtures

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
n-butyl acetate	123-86-4 204-658-1 607-025-00-1	50-70	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066		-
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8 219-784-2 -	30-50	Eye Dam. 1; H318		01-2119513212-58
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7	0-20	Flam. Liq. 3; H226		-

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**

Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention.

Following skin contact

Take off all contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If symptoms persist seek medical attention.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Consult a physician immediately!

Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Consult a physician. Show the physician the safety data sheet or label.

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

Inhalation

Vapours may cause drowsiness and dizziness.

Skin contact

Contact with skin may cause irritation (redness, itching).
Repeated exposure may cause dry skin or cracked skin.

Eye contact

Discomfort or pain, excessive blinking, lacrimation and redness, swelling of the conjunctiva.

Ingestion

Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

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

-

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In the event of fire the following can be generated: carbon monoxide (CO), carbon dioxide (CO₂).

5.3. Advice for firefighters

Protective actions

Cool containers at risk with water spray. If possible remove containers from endangered area. In case of fire or heating do not breathe fumes/vapours.

Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8).

Emergency procedures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking! Prevent access to unprotected personnel. Avoid contact with skin and eyes. Do not breathe vapour or mist. Prevent access to unauthorised personnel. Do not use open fire and keep away all sources of ignition.

6.1.2. For emergency responders

-

6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

Stem the spill if this does not pose risks.

6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor.

6.3.3. Other information

-

6.4. Reference to other sections

See also Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Protect from open fire and other sources of ignition or heat.

Measures to prevent aerosol and dust generation

-

Measures to protect the environment

-

7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions

Keep in cool and well ventilated area. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**

7.2.2. Packaging materials

-

7.2.3. Requirements for storage rooms and vessels

-

7.2.4. Storage class

-

7.2.5. Further information on storage conditions

-

7.3. Specific end use(s)

Recommendations

-

Industrial sector specific solutions

-

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)	mg/m ³		
Butyl acetate (123-86-4)	150	724	200	966		
1-Methoxypropyl acetate (108-65-6)	50	274	100	548	Sk	

8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**



8.1.3. DNEL/DMEL values

For components

Name	Type	Exposure route	Exposure frequency	Value	Remark
n-butyl acetate (123-86-4)	Consumer	inhalation	long term (systemic effects)	102,34 mg/m ³	
n-butyl acetate (123-86-4)	Consumer	inhalation	short term (systemic effects)	859,7 mg/m ³	
n-butyl acetate (123-86-4)	Worker	inhalation	short term (systemic effects)	480 mg/m ³	
n-butyl acetate (123-86-4)	Worker	inhalation	short term (systemic effects)	960 mg/m ³	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	Worker	dermal	short term (systemic effects)	21 mg/kg bw/day	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	Worker	inhalation	short term (systemic effects)	147 mg/m ³	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	Worker	dermal	long term (systemic effects)	21 mg/kg bw/day	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	Worker	inhalation	long term (systemic effects)	147 mg/m ³	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	Consumer	dermal	short term (systemic effects)	12,5 mg/kg bw/day	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	Consumer	inhalation	short term (systemic effects)	43,5 mg/m ³	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	Consumer	oral	long term (systemic effects)	12,5 mg/kg bw/day	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	Consumer	dermal	long term (systemic effects)	12,5 mg/kg bw/day	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	Consumer	inhalation	long term (systemic effects)	43,5 mg/m ³	
2-methoxy-1-methylethyl acetate (108-65-6)	Worker	dermal	long term (systemic effects)	153,5 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	Worker	inhalation	long term (systemic effects)	275 mg/m ³	
2-methoxy-1-methylethyl acetate (108-65-6)	Consumer	dermal	long term (systemic effects)	54,8 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	Consumer	inhalation	long term (systemic effects)	33 mg/m ³	
2-methoxy-1-methylethyl acetate (108-65-6)	Consumer	oral	long term (systemic effects)	1,67 mg/kg	

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**

8.1.4. PNEC values

For components

Name	Exposure route	Value	Remark
n-butyl acetate (123-86-4)	soil	0,0903 mg/kg	
n-butyl acetate (123-86-4)	fresh water	0,18 mg/L	
n-butyl acetate (123-86-4)	fresh water sediment	0,981 mg/kg	
n-butyl acetate (123-86-4)	marine water	0,018 mg/L	
n-butyl acetate (123-86-4)	marine water sediment	0,0981 mg/kg	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	fresh water	1 mg/L	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	marine water	0,1 mg/L	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	marine water sediment	0,079 mg/kg	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	fresh water sediment	0,79 mg/kg	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	soil	0,13 mg/kg	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	water treatment plant	10 mg/L	
2-methoxy-1-methylethyl acetate (108-65-6)	fresh water sediment	3,29 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	marine water sediment	0,329 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	soil	0,29 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	fresh water	0,635 mg/L	
2-methoxy-1-methylethyl acetate (108-65-6)	marine water	0,0635 mg/L	

8.2. Exposure controls

8.2.1. Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with eyes and skin. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols. Handle in accordance with good industrial hygiene and safety practice.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

8.2.2. Personal protective equipment

Eye and face protection

Tight fitting protective goggles (EN 166).

Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. 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.

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

Thermal hazards

-

8.2.3. Environmental exposure controls

-

SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

-	Physical state:	liquid
-	Colour:	
-	Odour:	

Important health, safety and environmental information

-	pH	No information.
-	Melting point/freezing point	No information.
-	Initial boiling point/boiling range	No information.
-	Flash point	23 – 60 °C
-	Evaporation rate	No information.
-	Flammability (solid, gas)	No information.
-	Explosion limits (vol%)	No information.
-	Vapour pressure	No information.
-	Vapour density	No information.
-	Density	No information.
-	Solubility	No information.
-	Partition coefficient	No information.
-	Auto-ignition temperature	No information.
-	Decomposition temperature	No information.
-	Viscosity	No information.
-	Explosive properties	No information.
-	Oxidising properties	No information.

9.2. Other information

-	Remarks:	
---	----------	--

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3. Possibility of hazardous reactions

The product is stable under recommended storage and handling conditions.

10.4. Conditions to avoid

Keep away from heat and sources of ignition.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**



SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

(a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	oral	LD ₅₀	rat		8025 mg/kg	OECD 401	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	inhalation	LC ₅₀	rat	4 h	5,3 mg/l	OECD 403	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	dermal	LD ₅₀	rabbit		> 2000 mg/kg	OECD 402	

(b) Skin corrosion/irritation

Name	Species	Time	Result	Method	Remark
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)			Non-irritant.	OECD 406	

(c) Serious eye damage/irritation

Name	Species	Time	Result	Method	Remark
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)			Severe irritation.	OECD 405	

Additional information: Causes serious eye damage.

(d) Respiratory or skin sensitisation

Name	Exposure route	Species	Time	Result	Method	Remark
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	dermal	guinea pig		Non sensitising.	OECD 406	

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

No information.

(h) STOT-single exposure

Additional information: May cause drowsiness or dizziness.

(i) STOT-repeated exposure

Name	Exposure route	Type	Species	Time	Organ	Value	Result	Method	Remark
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	oral	NOAEL	rat	28 days		500 mg/kg		OECD 407	
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	inhalation	NOAEL		14 days		0,225 mg/kg		OECD 412	

(j) Aspiration hazard

No information.

SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**



SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Acute (short-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	LC ₅₀	55 mg/L	96 h	fish	<i>Cyprinus carpio</i>	92/69/EEC, C.1	
	LC ₀	30 mg/L	96 h	fish	<i>Cyprinus carpio</i>	92/69/EEC, C.1	
	EC ₅₀	324 mg/L	48 h	crustacea	<i>Daphnia magna</i>	US EPA	
	NOEC	> 100 mg/L	3 h	bacteria	Activated sludge	OECD 209	

12.1.2. Chronic (long-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	NOEC	100 mg/l	21 days	crustacea	<i>Daphnia magna</i>	OECD 202	
	EC ₅₀	119 mg/l	7 days	algae	<i>Anabaena sp.</i>	US EPA	
	NOEC	< 50 mg/l	7 days	algae	<i>Anabaena sp.</i>	US EPA	

12.2. Persistence and degradability

12.2.1. Abiotic degradation, physical- and photo-chemical elimination

For components

Substance (CAS Nr.)	Environment	Type / Method	Half Time	Evaluation	Method	Remark
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	water	hydrolysis	6,5 h		OECD 111	

12.2.2. Biodegradation

For components

Substance (CAS Nr.)	Type	Rate	Time	Evaluation	Method	Remark
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane (2530-83-8)	aerobic	37 %	28 days	not readily biodegradable	Die Awa Test - 79/831/EWG, C.4-A	

12.3. Bioaccumulative potential

12.3.1. Partition coefficient

No information.

12.3.2. Bioconcentration factor (BCF)

No information.

12.4. Mobility in soil

12.4.1. Known or predicted distribution to environmental compartments

No information.

SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**



12.4.2. Surface tension

No information.

12.4.3. Adsorption/Desorption

No information.

12.5. Results of PBT and vPvB assessment

No evaluation.

12.6. Other adverse effects

No information.

12.7. Additional information

For product

Do not allow to reach ground water, water courses or sewage system.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

Waste chemical

Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

Packaging

Deliver completely emptied containers to approved waste disposal authorities.

13.1.2. Waste treatment-relevant information

-

13.1.3. Sewage disposal-relevant information

-

13.1.4. Other disposal recommendations

-

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

UN 1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (n-butyl acetate, 2-methoxy-1-methylethyl acetate)

14.3. Transport hazard class(es)

3

14.4. Packing group

III

14.5. Environmental hazards

NO.

14.6. Special precautions for user

Limited quantities

5 L



SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**

Tunnel restriction code

(E)

IMDG flashpoint

23 °C, c.c.

IMDG EmS

F-E, S-E

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Goods may not be carried in bulk in bulk containers, containers or vehicles.

SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Indication of changes

-

Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**

EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC₅₀ - Lethal Concentration to 50 % of a test population
LD₅₀ - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

Key literature references and sources for data

-

List of relevant H phrases

H226 Flammable liquid and vapour.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
EUH066 Repeated exposure may cause skin dryness or cracking.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **90.650 Unimix Glass Additive**

Creation date: **17.3.2017** · Revision: **14.5.2018** · Version: **1**



- ☒ Provided correct labelling of the product
- ☒ Compliance with the local legislation
- ☒ Provided correct classification of the product
- ☒ Provided adequate transport data

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.