

EAA.09-B

Safety Data Sheet

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

classification

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]
Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated	(CAS-No.) 1173092-74-4	>= 25	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell. Give oxygen or artificial respiration as needed.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Rinse with plenty of water. Get medical advice/attention.
First-aid measures after eye contact	: Get immediate medical advice/attention. 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.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Vomiting: prevent asphyxia/aspiration pneumonia.

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

Symptoms/effects after inhalation	: Corrosive to eyes, respiratory system and skin. Impairment of the nervous system. . . . Headache. Nausea.
Symptoms/effects after skin contact	: Burns. Impairment of the nervous system. Headache. Nausea. Dizziness. Difficulty in breathing.
Symptoms/effects after eye contact	: Risk of damage to eyes. Can cause blindness.
Symptoms/effects after ingestion	: Burns. May perforate the oesophagus or the digestive tract.

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

Treat symptomatically. Notes to physician. If skin irritation or rash occurs: administration of corticoid ointment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Alcohol resistant foam. Carbon dioxide. Dry powder. . Powder.
Unsuitable extinguishing media	: None.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx). Toxic fumes may be released.
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5.3. Advice for firefighters

Protection during firefighting	: Avoid contact with skin. [In case of inadequate ventilation] wear respiratory protection. Complete protective clothing.
Other information	: Prevent fire fighting water from entering the environment. Prevent spreading in sewers. Dyke fire control water for later disposal and do not scatter the material.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Evacuate area.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear gas tight chemically protective clothing in combination with self contained breathing apparatus.
Emergency procedures	: Large spills/in confined spaces: consider evacuation.

6.1.2. For emergency responders

No additional information available

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6.2. Environmental precautions

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible.
Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

6.4. Reference to other sections

For further information refer to section 13. See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Provide local exhaust or general room ventilation. Do not eat, drink or smoke when using this product. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hygiene measures : Take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : The floor of the depot should be impermeable and designed to form a water-tight basin.
Storage conditions : Keep only in original container.
Incompatible products : Do not bring in contact with acids.
Storage area : Store in a well-ventilated place. .

7.3. Specific end use(s)

Hardener.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate ventilation to minimize dust concentrations.
Personal protective equipment : Safety glasses. Insulated gloves.
Hand protection : Chemically resistant protective gloves. Gloves must be replaced after each use and whenever signs of wear or perforation appear. Recommended materials. Neoprene. Polyvinylalcohol (PVA). Impermeable protective gloves. Polyvinylchloride (PVC)
Eye protection : Face shield. Safety glasses
Skin and body protection : Wear suitable protective clothing. Complete protective clothing. Wear impervious rubber safety shoes
Respiratory protection : In case of inadequate ventilation wear respiratory protection.



Other information : Discard contaminated leather articles. Wash hands and face before break and at end of works.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Yellow.
Odour : ammonia odour.
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : > 200 °C

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Flash point	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: < 0,01 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1 g/cm ³
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: ≈ 400 mPa·s
Explosive properties	: Not applicable.
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

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

reactive metals (Al, K, Zn ...). Organic acids. hydroxyl compounds. Mineral acids. Sodium hypochlorite. Peroxides. Oxidizing agents and acids.

10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Nitrogen oxides. nitric acid. Ammonia. Aldehydes. hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May perforate the oesophagus or the digestive tract

Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated (1173092-74-4)

LD50 oral rat	300 - 1000 mg/kg
Skin corrosion/irritation	: Causes severe skin burns and eye damage. When absorbed by skin: Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination, Difficulty in breathing
Serious eye damage/irritation	: Causes serious eye damage. Can cause blindness
Respiratory or skin sensitisation	: May cause an allergic skin reaction. May generate
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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Aspiration hazard : Not classified
May produce :
Headache
Nausea
Dizziness
Mental confusion
Breathing difficulties.

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Viscosity, kinematic ≈ 400 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

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

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Refer to supplier/manufacturer.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
European List of Waste (LoW) code : 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 02 00 - wastes from MFSU of other coatings (including ceramic materials)

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) : AMINES, 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 AMINES, LIQUID, CORROSIVE, N.O.S. (I), 8, III, (E)
Transport document description (IMDG) : UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S., 8, III

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) : 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 : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

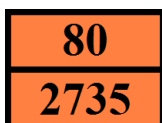
Classification code (ADR) : C7

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Special provisions (ADR)	: 274
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP1, TP28
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
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)	: 223, 274
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP28
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)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3
ERG code (IATA)	: 8L

- Inland waterway transport

Classification code (ADN)	: C7
Special provisions (ADN)	: 274
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0
Carriage prohibited (ADN)	: No
Not subject to ADN	: No

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- Rail transport

Classification code (RID)	: C7
Special provisions (RID)	: 274
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T7
Portable tank and bulk container special provisions (RID)	: TP1, TP28
Tank codes for RID tanks (RID)	: L4BN
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE8
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

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Sens. 1	Skin sensitisation, Category 1
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.

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H318	Causes serious eye damage.
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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.