

SAFETY DATA SHEET

According to EC Regulation 1907/2006/EC - revision 2020/878

Revision No. 4.7

Print Date 04/02/2024

Creation Date 02/02/2015

Revision date 29/12/2023

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

1.1. Product identifier

Product Name: MEGA ALL EXTREME
Product Code: 11000084M1 (CLP)
UFI: WSU3-V0D5-P007-KG1C

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

Recommended use

Adhesive.

1.3. Details of the supplier of the safety data sheet

NCH UK & Ireland,
Arrowmere House, Bilston,
WV14 0QL
Tel (UK): 01902 510200, Tel (Ireland): 042 939 5502
E-mail address: technical_uk@nch.com
Name of contact
Website address: www.ncheurope.com

1.4. Emergency telephone number

UK - 01902 510200 (available during Office Hours)
In Republic of Ireland (available from 8am to 10pm daily): 01 809 2166

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations

Skin irritation: Category 2
Skin sensitisation: Category 1
Serious damage to eyes: Category 1
STOT- single exposure: Category 3
Aquatic chronic: Category 3
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H412 - Harmful to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)

Contains ETHOXYLATED BISPHENOL A DIMETHACRYLATE & 2-HYDROXYETHYL METHACRYLATE & alpha, alpha DIMETHYLBENZYL HYDROPEROXIDE & 2-METHACRYLOYLOXY ETHYL SUCCINIC ACID.

Hazard pictograms



Signal word Danger

Hazard statements

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements

P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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

P310 - Immediately call a POISON CENTER or doctor

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

For industrial and institutional use only.

Keep out of reach of children

2.3. Other hazards

No additional hazards identified.

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Chemical name	CAS No	EC No (EU Index Index No)	EU - REACH reg number	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Notes
ETHOXYLATED BISPHENOL A DIMETHACRYLATE	41637-38-1			25 - < 50	Skin Irrit. 2 (H315) (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335)	
2-HYDROXYETHYL METHACRYLATE	868-77-9	212-782-2	01-2119490169-29	25 - < 50	Skin Irrit. 2 (H315) (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	
2-METHACRYLOYLOXY ETHYL SUCCINIC ACID	20882-04-6	244-096-4	-	5 - < 10	Skin Irrit. 2 (H315) (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317)	
alpha, alpha DIMETHYLBENZYL HYDROPEROXIDE	80-15-9	201-254-7	01-2119475796-19	1 - < 3	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Aquatic Chronic 2 (H411) STOT RE 2 (H373) Org. Perox. E (H242)	
ACETO PHENYLHYDRAZINE	114-83-0	204-055-3		< 1	Acute Tox. 3 (H301) Skin Irrit. 2 (H315) STOT SE 3 (H335) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	
2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE	109-16-0	203-652-6		< 1	Skin Sens. 1 (H317)	

For any H statements mentioned in this section, see the full text in section 16.

Chemical name	EU - CLP (1272/2008) - Specific Concentration Limits
alpha, alpha DIMETHYLBENZYL HYDROPEROXIDE	H318 3%≤C<10% H319 1%≤C<3% H314 C≥10% H315 3%≤C<10% H335 C<10%

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists. Get medical attention immediately if symptoms occur.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth with water. Do NOT induce vomiting. Get medical attention immediately. Show the Label to the Doctor.

Inhalation

Remove to fresh air immediately. Get medical attention immediately. Increased rate or shortness of breath, may indicate an allergic reaction. These effects may be delayed.

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

Sensitisation

May cause sensitisation by skin contact. May cause sensitisation by inhalation.

Eye contact

May cause burns which could lead to permanent eye damage.

Skin contact

May cause irritation as itching or redness.

Inhalation

Inhalation of mists may result in irritation to the respiratory tract.

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

Notes to physician

Causes eye burns. Treat symptomatically. May cause sensitisation of susceptible persons.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Water spray. Foam. Carbon dioxide (CO₂). Dry powder.

5.2. Special hazards arising from the substance or mixture

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

6.2. Environmental precautions

Avoid release of neat product into surface water and sanitary sewage system.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists. Keep away from open flames, hot surfaces and sources of

ignition. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment. Ensure adequate ventilation.

Anyone with a history of skin sensitization to any of the substances in this product, should refrain from handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Keep containers in cool areas out of direct sunlight and away from combustibles. Keep away from open flames, hot surfaces and sources of ignition. Incompatible with strong bases and oxidising agents.

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

For substances.

Chemical name	Denmark	Finland	Norway	Sweden	Czech
2-HYDROXYETHYL METHACRYLATE			TWA: 2 ppm TWA: 11 mg/m ³ Note A - Allergifremkallende stoff		

DNEL (Derived No-Effect Level)

Chemical name	EU - REACH (1907/2006) (1907/2006) - DNEL	EU - REACH (1907/2006) (1907/2006) - DNEL	EU - REACH (1907/2006) - DNEL	EU - REACH (1907/2006) (1907/2006) - DNEL
ETHOXYLATED BISPHENOL A DIMETHACRYLATE	general population general population general population workers workers	oral inhalation dermal dermal inhalation	long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects	0.5 mg/kg bw/day 0.87 mg/m ³ 1 mg/kg bw/day 2 mg/kg bw/day 3.52 mg/m ³
2-HYDROXYETHYL METHACRYLATE	general population general population workers general population workers	dermal oral dermal inhalation inhalation	long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects	0.83 mg/kg bw/day 0.83 mg/kg bw/day 1.3 mg/kg bw/day 2.9 mg/m ³ 4.9 mg/m ³
alpha, alpha DIMETHYLBENZYL DIMETHYLBENZYL HYDROPEROXIDE	workers	inhalation	long term exposure - systemic effects	6 mg/m ³
2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE	general population general population workers general population workers	dermal oral dermal inhalation inhalation	long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects long term exposure - systemic effects	8.33 mg/kg bw/day 8.33 mg/kg bw/day 13.9 mg/kg bw/day 14.5 mg/m ³ 48.5 mg/m ³

PNEC (Predicted No-Effect Concentration)

Chemical name	EU - REACH (1907/2006) - PNEC	EU - REACH (1907/2006) - PNEC
2-HYDROXYETHYL METHACRYLATE	freshwater marine water freshwater (intermittent releases) marine water (intermittent releases) sediment (freshwater) sediment (marine water) sewage treatment soil	0.482 mg/L 0.482 mg/L 1 mg/L 1 mg/L 3.79 mg/kg sediment dw 3.79 mg/kg sediment dw 10 mg/L 0.476 mg/kg soil dw
alpha, alpha DIMETHYLBENZYL DIMETHYLBENZYL HYDROPEROXIDE	freshwater marine water freshwater (intermittent releases) sediment (freshwater) sediment (marine water) sewage treatment soil	0.0031 mg/L 0.00031 mg/L 0.031 mg/L 0.023 mg/kg sediment dw 0.0023 mg/kg sediment dw 0.35 mg/L 0.0029 mg/kg soil dw
2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE	freshwater marine water freshwater (intermittent releases) sediment (freshwater)	0.0164 mg/L 0.00164 mg/L 0.0164 mg/L 0.185 mg/kg sediment dw

sediment (marine water)	0.0185 mg/kg sediment dw
sewage treatment	1.7 mg/L
soil	0.0274 mg/kg soil dw

8.2. Exposure controls

Control parameters

Provide an eyewash station. Provide washing facilities. Anyone with a history of skin sensitization to any of the substances in this product, should refrain from handling.

Engineering Measures

Local ventilation is suggested to control exposure from operations that can generate significant levels of vapour, mist or fumes.

Personal Protective Equipment

Use personal protection equipment as per Regulation (EU) 2016/425.

Respiratory Protection

Use NIOSH approved respiratory protection. Conforming to EN 143 - P2 / P3 Particle filters. Do not breathe vapours or spray mist.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Short term use eg occasional contact or splash protection ;. Nitrile rubber (0.4 mm). PVC (0.7mm). Long term use eg continuous wear or immersion ;. Neoprene gloves (0.4 mm). For break through times, refer to glove manufacturer's recommendations.

Eye Protection

Safety glasses with side-shields. Approved to EN 166. For large volumes, faceshields should be used.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Information below relates to typical values and does not constitute a specification.

Appearance	Green
Odour	Acrylic
Physical state	Liquid
pH	Not applicable
Flash Point	> 93 °C
Specific gravity	1.08
Viscosity	Viscous
Solubility	Insoluble in water
Autoignition Temperature	No information available
Boiling Point/Range	> 100 °C
Melting Point/Range	No information available
Flammability Limits in Air %	No information available
Evaporation Rate	No information available
Vapour pressure	No information available
Relative vapour density	No information available
Explosive properties	No information available
Oxidising Properties	No information available
VOC content	< 5 %

9.2. Other information

No other information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Not considered as highly reactive. See further information below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight. Keep away from open flames, hot surfaces, and sources of ignition. Keep away from combustible material.

10.5. Incompatible materials

Oxidising agents. Acids.

10.6. Hazardous decomposition products

None under normal storage conditions and use.

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Product Information

The product itself has not been tested.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-HYDROXYETHYL METHACRYLATE	= 5050 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	
alpha, alpha DIMETHYLBENZYL HYDROPEROXIDE	= 382 mg/kg (Rat)	= 0.126 mL/kg (Rabbit)	= 220 ppm (Rat) 4 h
2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE	= 10837 mg/kg (Rat)		

Sensitisation

May cause sensitisation by skin contact. May cause sensitisation by inhalation.

Skin contact

May cause irritation as itching or redness.

Inhalation

Inhalation of mists may result in irritation to the respiratory tract.

Eye contact

May cause burns which could lead to permanent eye damage.

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

There are no known substances in this product with effects on reproduction.

STOT - single exposure

STOT- single exposure: Category 3

STOT - repeated exposure

Based on available data, the classification criteria are not met

Aspiration hazard

Based on available data, the classification criteria are not met

11.2 Information on Other Hazards

The product does not contain substances that have been identified as an endocrine disruptor

SECTION 12. ECOLOGICAL INFORMATION**12.1. Toxicity**Product Information

The product itself has not been tested.

Chemical name	Toxicity to Fish	Crustacea	Toxicity to Algae
2-HYDROXYETHYL METHACRYLATE	LC50 213 - 242 mg/L Pimephales promelas 96 h LC50 = 227 mg/L Pimephales promelas 96 h		
alpha, alpha DIMETHYLBENZYL HYDROPEROXIDE	LC50 3.9 mg/L Oncorhynchus mykiss 96 h		
2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE	LC50 = 16.4 mg/L Danio rerio 96 h		

12.2. Persistence and degradability

Ecotoxicological properties are substance specific, i.e. bioaccumulation, persistence and degradability. The information is given, where available and appropriate, for substance(s) of the mixture.

12.3. Bioaccumulative potential

Not likely to bioaccumulate. Component information below.

Chemical name	Partition coefficient
2-HYDROXYETHYL METHACRYLATE	0.47

12.4. Mobility in soil

The product is insoluble and sinks in water.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

12.6 Endocrine disrupting properties

The product does not contain substances that have been identified as an endocrine disruptor

12.7 Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methodsWaste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Empty remaining contents. Prevent product from entering drains. Recycle according to official regulations.

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable:

16 03 05* organic wastes containing dangerous substances

08 04 10 Waste adhesives and sealants containing organic solvents or other dangerous substances other than those mentioned in 08 04 09

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

SECTION 14. TRANSPORT INFORMATION**14.1, 14.2, 14.3, 14.4.**

Not classified for transport as dangerous goods

14.5. Environmental hazards

The mixture is not environmentally hazardous for transport

14.6. Special precautions for user

No special precautions.

14.7 Maritime transport in bulk according to IMO instruments

Packaged product, not typically transported in IBC's

Additional information

The above information is based on latest transport regulations i.e. ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.

In addition, Directive 2009/2/EC with the 31st Adaptation of Directive 67/548/EEC (Hazardous substances) has been taken into account.

15.2. Chemical safety assessment

No safety assessment has been created

SECTION 16. OTHER INFORMATION**Text of H statements mentioned in Section 3**

H242 - Heating may cause a fire. H302 - Harmful if swallowed. H312 - Harmful in contact with skin. H314 - Causes severe skin burns and eye damage. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H319 - Causes serious eye irritation. H331 - Toxic if inhaled. H373 - May cause damage to organs through prolonged or repeated exposure. H411 - Toxic to aquatic life with long lasting effects. H301 - Toxic if swallowed. H335 - May cause respiratory irritation.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Calculation method. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 - May cause respiratory irritation.

Prepared By JD

Creation Date 02/02/2015

Revision date 29/12/2023

Revision summary

CLP update. SDS sections updated 2 3 9 16 8

Abbreviations

REACH: Registration Evaluation Authorisation Restriction of Chemicals

EU: European Union

EC: European community

EEC: European Economic Community

UN: United Nations

CAS: Chemical Abstracts Service

PBT: Persistent Bioaccumulative Toxic

vPvB: very Persistent very Bioaccumulative

LC50: Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

LogPow: LogP octanol/water

VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)

WGK: Wassergefährdungsklasse (Water Hazard Class - Germany).

AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)

IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International carriage of Dangerous goods by rail)
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
ERG: Emergency Response Guidebook
IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances
GHS: Globally Harmonised System of classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
VOC: Volatile Organic Chemical
w/w: weight for weight
DMSO: Dimethyl sulphoxide
OECD: Organization for Economic Cooperation and Development
STEL: Short Term Exposure Limit
TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature literature sources e.g. IUCLID / RTECS

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet