

SAFETY DATA SHEET

21302520-DYNA STRETCH
According to EC Regulation 1907/2006/EC - revision 453/2010 (REACH)

Print Date 29/01/2014

Creation Date 12/12/2012

Revision Date 10/02/2013

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

1.1. Product identifier

Product Name 21302520-DYNA STRETCH
Product Code 10246884M1

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

Recommended use

Self fusing tape for sealing.

1.3. Details of the supplier of the safety data sheet

CHEMSEARCH. A Division of NCH (UK) Ltd
NCH House
Springvale Avenue
Bilston WV14 0QL
Tel 01902 510334; Fax 01902 510341

E-mail address technical_uk@nch.com
Website address www.nch.com

1.4. Emergency telephone number

01902 510331 (available during Office Hours)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This preparation is not classed as hazardous by directive 1999/45/EC. In addition, Directive 2009/2/EC with the 31st Adaptation of Directive 67/548/EEC (Hazardous substances) has been taken into account.

2.2. Label elements

S2 Keep out of reach of children
For Industrial and institutional use only

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. Mixtures

Component	CAS-No.	EC No.	Weight percent	Classification	EU - GHS/CLP Classification	Notes
COLLOIDAL SILICON DIOXIDE	112945-52-5	-	25 - < 50	-		
DI-(2,4-DICHLORO BENZOYL) PEROXIDE	133-14-2	205-094-9	1 - < 2.5	O; R7 R38		
OCTAMETHYLCYCLOTETRASILC	556-67-2	-	1 - < 2.5	R53 Repr.Cat.3; R62	Repr. 2 (H361f) Aquatic Chronic 4 (H413)	
BORIC ACID	10043-35-3	233-139-2	0.25 - < 1	Repr.Cat.2; R60-61	Repr. 1B (H360FD)	

This preparation contains substance(s) at a concentration below the minimum classification threshold:

For any R phrases mentioned in this section, see the full text in section 16

This mixture contains a substance of very high concern above >0.1%

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

Get medical attention immediately if symptoms occur

Eye Contact

Remove contact lenses. Wash off with plenty of water.

Skin Contact

Wash off with warm water and soap.

Ingestion

No hazards which require special first aid measures.

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

Sensitisation

No information available.

Eye contact

May cause irritation as itching and redness

Skin contact

Unlikely to be irritant on brief or occasional exposure

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

Notes to physician

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use.: Dry powder, Alcohol-resistant foam, Water spray

Extinguishing media which must not be used for safety reasons

Water jet.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapours.

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

None required for material as supplied.

6.2. Environmental precautions

Insoluble in water and will sink.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Pick up and arrange disposal.

Methods for Cleaning up

Take up mechanically and collect in suitable container for disposal.

6.4. Reference to other sections

Refer to sections 7, 8 and 13

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

For substances

Component	European Union	The United Kingdom	France	Germany	Belgium
BORIC ACID				AGW: 0.5mg/m ³ Peak: 10mg/m ³ TWA: 10mg/m ³	6 mg/m ³ STEL (as borate) 2 mg/m ³ TWA

Component	Austria	Switzerland	Spain	Portugal	Italy
COLLOIDAL SILICON DIOXIDE	TWA: 4 mg/m ³				
BORIC ACID		STEL: 10 mg/m ³	STEL: 6 mg/m ³	STEL: 6 mg/m ³	

TWA: 10 mg/m³TWA: 2 mg/m³TWA: 2 mg/m³Respiratory Protection

Not required under normal use

8.2. Exposure controlsEngineering Measures

General ventilation is normally adequate

Personal Protective Equipment

Personal Protective equipment not normally required.

Hand Protection

In the event of prolonged or repeated contact with the hands, use appropriate gloves. Conforming to EN 374.

Eye Protection

Safety glasses if the method of use presents the likelihood of eye contact. Approved to EN 166.

General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practise. 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	Black tape	Autoignition Temperature	Not applicable.
Odour	Slight sweet	Boiling Point/Range	No information available.
Physical State	Solid	Melting Point/Range	No information available.
pH	Not applicable.	Flammability Limits in Air %	Not applicable.
Flash Point	Not relevant	Evaporation Rate	No information available.
Specific Gravity	1.18 g/cm ³	Vapour Pressure	No information available.
Viscosity	Not applicable.	Vapor Density	No information available.
Solubility	Insoluble in water	Explosive properties	No information available
		Oxidizing Properties	No information available.

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

The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use

10.4. Conditions to avoid

No conditions to be specially mentioned

10.5. Incompatible materials

No materials to be specially mentioned

10.6. Hazardous decomposition products

None under normal storage conditions and use

SECTION 11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**Product Information

The product itself has not been tested.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
OCTAMETHYLCYCLOTETRASILOXANE		= 794 µL/kg (Rabbit)	= 36 g/m ³ (Rat) 4 h
BORIC ACID	= 2660 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 0.16 mg/L (Rat) 4 h

Sensitisation

No information available.

Skin contact

Unlikely to be irritant on brief or occasional exposure

Eye contact

May cause irritation as itching and redness

Carcinogenicity

There are no known carcinogenic substances in this product.

Mutagenic Effects

There are no known mutagenic substances in this product.

Reproductive Effects

Contains substance(s) with known reproductive effects below the level for classification.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Product Information

The product itself has not been tested.

Component	Toxicity to Fish	Water Flea	Toxicity to Algae
OCTAMETHYLCYCLOTETRAILOXANE	LC50 > 500 mg/L Brachydanio rerio 96 h LC50 > 1000 mg/L Lepomis macrochirus 96 h	EC50= 25.2 mg/L 24 h	
BORIC ACID	LC50 = 1020 mg/L Carassius auratus 72 h	EC50 115 - 153 mg/L 48 h	

12.2. Persistence and degradability

Mainly an inorganic product which can not be eliminated from water through biological processes.

12.3. Bioaccumulative potential

There is no test data on any of the components of this mixture

Component	log Pow
OCTAMETHYLCYCLOTETRAILOXANE	5.1
BORIC ACID	-0.757

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. Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with local regulations.

Contaminated Packaging

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

EWC waste disposal No

The following EWC/ AVV waste codes may be applicable: 17 09 03* other construction and demolition wastes (including mixed wastes) containing dangerous substances

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. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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 preparation is not classed as hazardous by directive 1999/45/EC. In addition, Directive 2009/2/EC with the 31st Adaptation of Directive 67/548/EEC (Hazardous substances) has been taken into account.

WGK Classification

Weakly water-endangering (WGK 1), Classification according VwVwS

15.2. Chemical safety assessment

No safety assessment has been created

SECTION 16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R 7 - May cause fire. R38 - Irritating to skin. R53 - May cause long-term adverse effects in the aquatic environment. R60 - May impair fertility. R61 - May cause harm to the unborn child. R62 - Possible risk of impaired fertility.

Prepared By Austen Pimm

Creation Date 12/12/2012

Revision Date 10/02/2013

Revision Summary

Replaces SDS reference 114440M1 SDS sections updated 3

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

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

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

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