



# Safety Data Sheet      CLEAR GUARD

Supersedes Date MAY 2019

Issuing Date JUNE 2020

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CLEAR GUARD

**Recommended use** Recommended use Aerosol based clear rubberised coating. Moisture displacer & corrosion inhibitor

**Manufacturer, importer, supplier**

NCH AUSTRALIA PTY LTD, DIV. OF NCH CORPORATION  
N2, 391, PARK ROAD, REGENTS PARK, NSW 2143

**Telephone inquiry**

+61-2-96690260

**Emergency Telephone Number**

+61-2-96690237 / 0401718972

**Fax number**

+61-2-96931562

**Product Code 5687**

**Chemical nature** Polymer suspension

**Distributor**

NCH AUSTRALIA PTY LTD  
N2, 391, PARK ROAD, REGENTS PARK, NSW 2143

**Telephone Number**

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## 2. HAZARD IDENTIFICATION

**Colour** Colourless - Light Yellow  
**Mixture or Pure Substance:** Mixture

**Physical State** Liquid

**Odour** Petroleum distillates

### GHS

#### Classification

##### Physical Hazards

Flammable aerosols  
Gases under pressure

Category 1  
Compressed gases

##### Health Hazard

Aspiration Toxicity  
Skin Corrosion/Irritation  
Reproductive Toxicity  
Specific target organ systemic toxicity  
(single exposure)  
Specific target organ systemic toxicity  
(repeated exposure)  
Chronic Aquatic Toxicity

Category 1  
Category 2  
Category 2  
Category 3  
  
Category 2  
  
Category 2

##### Other Hazards

#### Labelling

##### Signal Word

**Danger**



##### Hazard

#### Statements

H222 - Extremely flammable aerosol  
H280 - Contains gas under pressure; may explode if heated  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H332 - Harmful if inhaled  
H336 - May cause drowsiness or dizziness  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure  
H411 - Toxic to aquatic life with long lasting effects

##### Precautionary

#### Statements

P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P211 - Do not spray on an open flame or other ignition source  
P251 - Pressurized container: Do not pierce or burn, even after use  
P260 - Do not breathe vapour or mist.  
P261 - Avoid breathing dust/fume gas/mist/vapours/spray  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water  
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms call a physician.  
P332 + P313 - If skin irritation occurs: Get medical advice/attention.  
P331 - Do NOT induce vomiting  
P362 - Take off contaminated clothing and wash before reuse  
P308 + P313 - IF exposed or concerned, get medical attention  
P337 + P313 - If eye irritation persists, get medical attention.  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C  
P405 - Store locked up  
P501 - Dispose of contents and container in accordance with applicable local regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	ENCS	Weight %
Hexanes	110-54-3	Present	10-30
Xylenes (o-, m-, p- isomers)	1330-20-7	Present	20-30
Styrene-butadiene polymer	9003-55-8	Present	10-20
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS			UP TO 100 %

### 4. FIRST AID MEASURES

<b>General advice</b>	Avoid breathing vapours, mist, or gas. Avoid contact with skin, eyes and clothing.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
<b>Inhalation</b>	Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if irritation develops and persists.
<b>Notes to physician</b>	Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed & enter airways.

### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	-93 °C	<b>Method</b>	Seta closed cup
<b>Auto ignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %</b>	Solvent mixture. <b>Upper</b> 9.5	<b>Lower</b>	0.9
<b>Suitable Extinguishing Media</b>	Foam. Alcohol-resistant foam. Dry chemical. Water spray. Carbon dioxide (CO <sub>2</sub> ), Foam, Dry Chemical or Water fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
<b>Specific hazards arising from the chemical</b>	Solvent vapours are heavier than air and may spread along floors. Vapours may ignite and explode. Flame extension: >30 inches / >75 cm and Burn back: 6 inch / 15 cm.		
<b>Protective Equipment and Precautions for Firefighters</b>	Wear self-contained breathing apparatus pressure-demand, Safe Work, Australia (approved or equivalent) and full protective gear.		

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Wear protective gloves/clothing. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	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).
<b>Methods for Cleaning Up</b>	Use clean non-sparking tools to collect absorbed material.
<b>Neutralizing Agent</b>	Not applicable.

### 7. HANDLING AND STORAGE

<b>Handling</b>	Keep away from open flames, hot surfaces and sources of ignition Avoid breathing vapours, mist or gas			
<b>Storage</b>	Avoid contact with skin, eyes and clothing Keep away from heat and sources of ignition Keep out of the reach of children			
<b>Storage Temperature</b>	<b>Minimum</b>	2 °C	<b>Maximum</b>	49 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Component	ES-TWA	ISHL	ACGIH TLV
Hexanes	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup>	ACL: 40 ppm	TWA: 50 ppm Skin
Xylenes (o-, m-, p- isomers)	STEL: 150 ppm STEL: 655 mg/m <sup>3</sup> TWA: 80 ppm TWA: 350 mg/m <sup>3</sup>	ACL: 50 ppm	TWA: 100 ppm STEL: 150 ppm
Styrene-butadiene polymer		no data available	3 mg/m <sup>3</sup> PNOS
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS		no data available	No data available

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas. Handle only in a place equipped with local exhaust (or other appropriate exhaust).
<b>Personal Protective Equipment</b>	
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators
<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Hand Protection</b>	Protective gloves
<b>Skin Protection</b>	Wear suitable protective clothing, Impervious gloves.
<b>General Hygiene Considerations</b>	Wear protective clothing when handling. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Transparent -- Hazy
<b>Colour</b>	Colourless - Light Yellow
<b>Physical State</b>	Liquid
<b>Odour</b>	Petroleum distillates
<b>Odour Threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting Point/Range</b>	No data available
<b>Freezing Point</b>	No information available
<b>Boiling Point/Range</b>	No information available
<b>Flash Point</b>	-93 °C
<b>Method</b>	Seta closed cup
<b>Evaporation Rate</b>	> 1.0
<b>Vapour Pressure</b>	No information available
<b>Solubility</b>	Negligible
<b>Vapour Density</b>	> 1 (Air = 1)
<b>Specific Gravity</b>	0.77(Water =1)
<b>Auto ignition Temperature</b>	No information available.
<b>Viscosity</b>	Semi-viscous
<b>Molecular Weight</b>	No data available
<b>Percent Volatile (Volume)</b>	0

VOC Content (%) 83  
VOC Content (g/L) 639

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	None known
<b>Incompatible Products</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Carbon oxides
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Product Information

**Principle Route of Exposure** Eye contact, Skin contact, Inhalation.

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<b>Oral LD50</b>	3,500.00	mg/kg
<b>Dermal LD50</b>	1,790.00	mg/kg
<b>Inhalation LC50</b>		
<b>Gas</b>	4,500.00	mg/L
<b>Mist</b>	2.00	mg/L
<b>Vapour</b>	25.00	mg/L

**Primary Routes of Entry** Inhalation, Skin Absorption.

### Main Symptoms

#### Acute Effects

<b>Eyes</b>	Causes eye irritation.
<b>Skin</b>	Causes skin irritation. May be absorbed through the skin in harmful amounts.
<b>Inhalation</b>	Causes respiratory tract irritation. Causes headache, drowsiness or other effects to the central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed & enter airways.

#### Chronic Effects

Repeated and prolonged exposure to solvents may cause brain and nervous system damage, May cause irregular heartbeats, especially under conditions of stress, Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood, Suspect reproductive hazard - contains material which may injure unborn child, May cause polymer fume fever, a temporary flu-like illness accompanied by chills, fever, and a cough. This can last up to 24 hours in duration.

#### Target Organ Effects

Eyes, Skin, Respiratory system, Central nervous system, Peripheral Nervous System (PNS), Ears, Heart, Liver, Kidney, Blood.

#### Aggravated Medical Conditions

Skin disorders, Respiratory disorders, Neurological disorders, Blood disorders, Heart disease, Liver disorders, Kidney disorders.

### Component Information

#### Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Hexanes	no data available	= 3000 mg/kg ( Rabbit )	= 48000 ppm ( Rat ) 4 h	no data available	no data available
Xylenes (o-, m-, p- isomers)	= 3500 mg/kg ( Rat )	> 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h	no data available	no data available
Styrene-butadiene polymer	no data available	no data available	no data available	no data available	no data available
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	no data available

#### Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Hexanes	no data available	no data available	no data available	no data available	eyes,CNS,respiratory system,skin,PNS
Xylenes (o-, m-, p- isomers)	no data available	no data available	no data available	no data available	heart, lung, CNS, PNS, respiratory system, ears, liver, kidney
Styrene-butadiene polymer	no data available	no data available	no data available	no data available	no data available
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	no data available

**Carcinogenicity** There are no known carcinogenic chemicals in this product.

Component	ES	ACGIH	IARC	NTP	Other
Hexanes	not applicable	not applicable	not applicable	not applicable	not applicable
Xylenes (o-, m-, p- isomers)	not applicable	not applicable	not applicable	not applicable	not applicable
Styrene-butadiene polymer	not applicable	not applicable	not applicable	not applicable	not applicable
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	not applicable	not applicable	not applicable	not applicable	not applicable

**12. ECOLOGICAL INFORMATION**

**Product Information** No data available

**Component Information**

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Hexanes	no data available	LC50 2.1 - 2.98 mg/L Pimephales promelas 96 h	no data available	no data available	N/A
Xylenes (o-, m-, p- isomers)	no data available	LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96 h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96 h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96 h LC50 23.53 - 29.97 mg/L Pimephales promelas 96 h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96 h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96 h LC50 = 13.4 mg/L Pimephales promelas 96 h LC50 = 19 mg/L Lepomis macrochirus 96 h LC50 = 780 mg/L Cyprinus carpio 96 h LC50 > 780 mg/L Cyprinus carpio 96 h	EC50 = 0.0084 mg/L 24 h	LC50= 0.6 mg/L 48 h EC50= 3.82 mg/L 48 h	2.77 - 3.15
Styrene-butadiene polymer	no data available	no data available	no data available	no data available	N/A
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	N/A

**Eco toxicity effects** No information available  
**Persistence & Degradability** Persistence & Degradability  
**Bioaccumulation** No information available  
**Immobile in soil.** No information available

**13. DISPOSAL CONSIDERATIONS**

**Product Disposal** Dispose of in accordance with local regulations.  
**Container Disposal** Warning! Container under pressure. Do not puncture. Empty remaining contents.

**14. TRANSPORT INFORMATION****ADG 7**

<b>UN-No</b>	UN1950
<b>Proper Shipping Name</b>	Aerosols
<b>Hazard Class</b>	2.1
<b>Hazchem Code</b>	2YE
<b>Shipping Description</b>	UN1950, Aerosols,2.1 LIMITED QTY

**15. REGULATORY INFORMATION**

<b>Australia</b>	
<b>POISON SCHEDULE</b>	Schedule 5

**16. OTHER INFORMATION**

<b>Prepared By</b>	Arvind Rane
<b>Super cedes Date</b>	MAY 2019
<b>Issuing Date</b>	JUNE 2020
<b>Reason for Revision</b>	GHS-SDS Format
<b>Glossary</b>	No information available.
<b>List of References.</b>	No information available.

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