Safety Data Sheet CLEAR GUARD

Supersedes Date Initial Release **Issuing Date DEC 2016**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CLEAR GUARD
Product Code 5687
Recommended use Recommended use Aerosol based clear rubberised coating. Moisture displacer & corrosion inhibitor
Chemical nature Polymer suspension

Manufacturer, importer, supplier
NCH AUSTRALIA PTY LTD , DIV. OF NCH CORPORATION
5-9,Ralph Street , Alexandria , NSW -2015
Telephone inquiry
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Emergency Telephone Number
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2. HAZARD IDENTIFICATION

Colour Colourless - Light Yellow **Physical State** Liquid **Odour** Petroleum distillates
Mixture or Pure Substance: Mixture

GHS Classification

Physical Hazards

Flammable aerosols	Category 1
Gases under pressure	Compressed gases

Health Hazard

Aspiration Toxicity	Category 1
Skin Corrosion/Irritation	Category 2
Specific target organ systemic toxicity (single exposure)	Category 3
Specific target organ systemic toxicity (repeated exposure)	Category 2
Chronic Aquatic Toxicity	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
H336 - May cause drowsiness or dizziness
H373 - May cause damage to organs through prolonged or repeated exposure
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

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
P301+ P310 - IF SWALLOWED: Immediately call a physician
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
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

General advice Avoid breathing vapours, mist, or gas. Avoid contact with skin, eyes and clothing.

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact 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.

Inhalation Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if irritation develops and persists.

Notes to physician Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed & enter airways .

5. FIRE-FIGHTING MEASURES

Flash Point -23 °C **Method** Seta closed cup

Auto ignition Temperature No information available.

Flammability Limits in Air % Solvent mixture. **Upper** 6.0 **Lower** 1

Suitable Extinguishing Media

Foam. Alcohol-resistant foam. Dry chemical. Water spray. Carbon dioxide (CO2),Foam, Dry Chemical or Water fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

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.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus pressure-demand, Safe Work, Australia (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear protective gloves/clothing. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

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 Use clean non-sparking tools to collect absorbed material.

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Keep away from open flames, hot surfaces and sources of ignition
Avoid breathing vapours, mist or gas
Avoid contact with skin, eyes and clothing

Storage Keep away from heat and sources of ignition
Keep out of the reach of children

Storage Temperature	**Minimum**	2 °C			**Maximum**	49 °C	
Storage Conditions	**Indoor**	**X**	**Outdoor**		**Heated**		**Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

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

Engineering Measures Ensure adequate ventilation, especially in confined areas. Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal Protective Equipment

Respiratory Protection In case of inadequate ventilation wear respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Eye/Face Protection Safety glasses with side-shields.

Hand Protection Protective gloves

Skin Protection Wear suitable protective clothing, Impervious gloves.

General Hygiene Considerations 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

Appearance	Transparent -- Hazy
Colour	Colourless - Light Yellow
Physical State	Liquid
Odour	Petroleum distillates
Odour Threshold	No data available
pH	Not applicable
Melting Point/Range	No data available
Freezing Point	No information available
Boiling Point/Range	No information available
Flash Point	-23 °C
Method	Seta closed cup
Evaporation Rate	> 1.0
Vapour Pressure	No information available
Solubility	Negligible
Vapour Density	> 1 (Air = 1)
Specific Gravity	0.77(Water =1)
Auto ignition Temperature	No information available.
Viscosity	Semi-viscous
Molecular Weight	No data available
Percent Volatile (Volume)	> 83
VOC Content (%)	83
VOC Content (g/L)	639

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known
Incompatible Products	Strong oxidizing agents
Hazardous Decomposition Products	Carbon oxides
Possibility of Hazardous Reactions	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):

Oral LD50	3,500.00 mg/kg
Dermal LD50	1,790.00 mg/kg
Inhalation LC50	
Gas	4,500.00 mg/L
Mist	2.00 mg/L
Vapour	25.00 mg/L
Primary Routes of Entry	Inhalation, Skin Absorption.
Main Symptoms	
Acute Effects	
Eyes	Causes eye irritation.
Skin	Causes skin irritation. May be absorbed through the skin in harmful amounts.
Inhalation	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.
Ingestion	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

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

15. REGULATORY INFORMATION

Australia
POISON SCHEDULE Schedule 5

16. OTHER INFORMATION

Prepared By	Arvind Rane
Super cedes Date	Initial Release
Issuing Date	DEC 2016
Reason for Revision	GHS-SDS Format
Glossary	No information available.
List of References.	No information available.

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