



Safety Data Sheet UL- 566

Supersedes Date MAY 2019

Issuing Date JUNE 2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name UL- 566

Recommended use Coating of metals, 316L stainless steel filler aerosol that protects against rust & corrosion.

Manufacturer, importer, supplier

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

Telephone inquiry

+61-2-96690261

Emergency Telephone Number

+61-2-96690237 / 0401718972

Fax number

+61-2-96931562

Product Code 06201460

Chemical nature Mixture

Distributor

NCH AUSTRALIA PTY LTD, DIV. OF NCH CORPORATION
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2. HAZARD IDENTIFICATION

Colour Silver

Physical state Aerosol

Odour Aromatic

Mixture or Pure Substance: Mixture

GHS

Classification

Physical Hazards

Flammable Aerosols

Gases under pressure

Category 1

Compressed Gas

Health Hazard

Aspiration Toxicity

Acute Oral Toxicity

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Reproductive Toxicity

Specific target organ systemic toxicity (single exposure)

Specific target organ toxicity (repeated exposure)

Category 1

Category 4

Category 2

Category 2

Category 1A

Category 3

Category 2

Other Hazards

None

Labelling

Signal Word **Danger**



Hazard

Statements

H222 - Extremely flammable aerosol

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H360 - May damage fertility or the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

H280 - Contains gas under pressure; may explode if heated

Precautionary

Statements

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P210 - Keep away from heat, sparks, open flames or hot surfaces.

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, mist or gas.

P264 - Wash face, hands and any exposed skin thoroughly after handling

P271 - Use in a well-ventilated area.

P280 - Wear protective gloves, protective clothing and eye protection.

P281 - Use personal protective equipment as required

P312 - Call a physician if unwell.

P321 - Specific treatment (see supplemental first aid instructions on this label)

P301+ P310 - IF SWALLOWED: Immediately call a physician

P331 - DO NOT induce vomiting

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P362 - Take off contaminated clothing and wash before reuse

P332 + P313 - If skin irritation occurs, get medical attention.

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

P410 + P403 - Protect from sunlight. Store in a well-ventilated place

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C

P308 + P313 - IF exposed or concerned, get medical attention

P314 - Get medical advice/attention if you feel unwell

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P501 - Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. | Weight % |
|------------------------------|--------------|----------|
| Toluene | 108-88-3 | 10-30 |
| Acetone | 67-64-1 | 10-30 |
| Propane | 74-98-6 | 10-30 |
| Butane | 106-97-8 | 0-10 |
| Stainless Steel Flake | 65997-19-5 | 0-10 |
| Xylenes (o-, m-, p- isomers) | 1330-20-7 | 0-10 |
| Proprietary polymer | TRADE SECRET | 10-20 |

4. FIRST AID MEASURES

| | |
|---------------------------|---|
| General advice | Show this safety data sheet to the doctor in attendance. Avoid contact with skin, eyes and clothing. Avoid breathing vapours, mist, or gas. |
| Eye Contact | Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists. |
| Skin Contact | Wash off immediately with soap and plenty of water. |
| Inhalation | If inhaled, remove to fresh air. Get medical attention if symptoms occur. |
| Ingestion | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, call a poison control centre or doctor immediately. Rinse mouth. |
| Notes to physician | Treat symptomatically. |

5. FIRE-FIGHTING MEASURES

| | | | |
|----------------------------------|-------|---------------|-----------|
| Flash Point | -19°C | Method | Estimated |
| Auto ignition Temperature | 365°C | | |
| Upper: | 10.9 | Lower: | 1.7 |

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical. Water spray. Dry sand. Alcohol-resistant foam.

Specific hazards arising from the chemical

Solvent vapours are heavier than air and may spread along floors. Vapours may ignite and explode. Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, Safe Work, Australia (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|--|
| Personal Precautions | Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions. |
| Environmental Precautions | Do not flush into surface water or sanitary sewer system. |
| Methods for Containment | No information available. |
| Methods for Cleaning Up | Prevent product from entering drains. |
| Neutralizing Agent | Not applicable. |

7. HANDLING AND STORAGE

Handling Avoid breathing vapours or mists
 Ensure adequate ventilation
 Do not smoke
 Keep away from open flames, hot surfaces and sources of ignition
 Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours)
 Empty containers may contain product residues which may exhibit the hazards of the product. To avoid possible explosion, do not pressurize, cut, weld, solder, drill, grind, or expose empty containers to heat, hot surfaces, sparks, or open flames

Storage
Storage Temperature Keep away from open flames, hot surfaces and sources of ignition
Storage Conditions **Minimum** 2°C **Maximum** 49 °C
Indoor X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

| Component | ES-TWA | ISHL | ACGIH TLV | Toluene | skin notation STEL: 150 ppm STEL: 574 mg/m ³ TWA: 50 ppm TWA: 191 mg/m ³ | ACL: 20 ppm | TWA: 20 ppm |
|------------------------------|---|-------------------|-------------------------------|-----------------------|---|---|--|
| Acetone | STEL: 1000 ppm STEL: 2375 mg/m ³ TWA: 500 ppm TWA: 1185 mg/m ³ | ACL: 500 ppm | TWA: 500 ppm STEL: 750 ppm | Propane | | no data available | TWA: 1000 ppm |
| Butane | TWA: 800 ppm TWA: 1900 mg/m ³ | no data available | STEL: 1000 ppm | Stainless Steel Flake | STEL: 10 mg/m ³ TWA: 0.15 mg/m ³ TWA: 0.002 mg/m ³ TWA: 1 mg/m ³ TWA: 0.1 mg/m ³ TWA: 5 mg/m ³ | ACL: 0.001 mg/m ³ ACL: 0.2 mg/m ³ ACL: 0.05 mg/m ³ ACL: 0.1 mg/m ³ | TWA: 0.05 mg/m ³ TWA: 0.00005 mg/m ³ inhalable fraction TWA: 1 mg/m ³ dust and mist TWA: 0.2 mg/m ³ TWA: 1 mg/m ³ TWA: 5 mg/m ³ TWA: 0.02 mg/m ³ TWA: 0.1 mg/m ³ TWA: 0.5 mg/m ³ |
| 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 | | | | |

Engineering Measures Use with local exhaust ventilation.

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 Tightly fitting safety goggles.

Hand Protection Protective gloves

Skin Protection Protective gloves, Impervious gloves.

General Hygiene Considerations Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------------|---|
| Appearance | Opaque silver ,with an aromatic solvent odour |
| Colour | silver |
| Physical state | Aerosol |
| Odour | Aromatic |
| Odour Threshold | No data available |
| pH | Not applicable |
| Melting Point/Range | No data available |
| Freezing Point | No data available |
| Boiling Point/Range | -44°C |
| Flash Point | -19°C |
| Method | Estimated |
| Evaporation Rate | No data available |
| Vapour Pressure | 2068.60 mmHg @ 21°C/ 40 PSI |
| Solubility | Insoluble |
| Vapour Density | No information available |
| Specific Gravity | 0.85 |
| Auto ignition Temperature | No information available. |
| Viscosity | Not applicable |
| Molecular Weight | No data available |
| Percent Volatile (Volume) | No information available |
| VOC Content (%) | 59.4 |
| VOC Content (g/L) | 0 |

10. STABILITY AND REACTIVITY

| | |
|---|---------------------------------|
| Chemical Stability | Stable under normal conditions. |
| Conditions to Avoid | Heat, flames, and sparks. |
| Incompatible Products | None known. |
| Hazardous Decomposition Products | None under normal use. |
| Possibility of Hazardous Reactions | None under normal processing. |

11. TOXICOLOGICAL INFORMATION

Product Information

Principle Route of Exposure Inhalation.

The following values are calculated based on chapter 3.1 of the GHS document

Dermal LD50 No information available

Inhalation LC50

Gas Not applicable

Mist not applicable

Vapour not applicable

Primary Routes of Entry

Main Symptoms Skin contact.

Acute Effects:

Eyes Irritating to eyes.

Skin Irritating to skin.

Inhalation Inhalation may cause central nervous system effects. 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 diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Chronic Effects:

Repeated and prolonged exposure to solvents may cause brain and nervous system damage, May cause damage to the kidneys/liver/eyes/brain/respiratory system/central nervous system if inhaled.

Target Organ Effects

Central nervous system, Kidney, Liver, Respiratory system.

Aggravated Medical Conditions

Neurological disorders, Central nervous system, Kidney disorders, Liver disorders.

Component Information**Acute Toxicity**

| Component | Oral LD50 | Dermal LD50 | Inhalation LC50 | Draize Test | Other |
|------------------------------|----------------------|--|---|-------------------|-------------------|
| Toluene | = 636 mg/kg (Rat) | = 8390 mg/kg (Rabbit) = 12124 mg/kg (Rat) | = 12.5 mg/L (Rat) 4 h > 26700 ppm (Rat) 1 h | no data available | no data available |
| Acetone | | Not applicable | = 50100 mg/m ³ (Rat) 8 h | no data available | no data available |
| Propane | | Not applicable | = 658 mg/L (Rat) 4 h | no data available | no data available |
| Butane | | Not applicable | = 658 g/m ³ (Rat) 4 h | no data available | no data available |
| Xylenes (o-, m-, p- isomers) | = 4300 mg/kg (Rat) | > 1700 mg/kg (Rabbit) | = 29.08 mg/L (Rat) 4 h > 5.04 mg/L (Rat) 4 h | no data available | no data available |

Chronic Toxicity

| Component | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|------------------------------|-------------------|-------------------|------------------------|-----------------------|---|
| Toluene | no data available | Not applicable | X | no data available. | Skin Central nervous system Eyes Respiratory system Liver Kidney |
| Acetone | no data available | Not applicable | no data available | no data available. | Skin Central nervous system Eyes Respiratory system |
| Propane | no data available | Not applicable | no data available | no data available. | Central nervous system |
| Butane | no data available | Not applicable | no data available | no data available. | Central nervous system |
| Stainless Steel Flake | no data available | Not applicable | no data available | no data available. | Blood Lungs Nasal Cavities Skin Central nervous system Eyes Respiratory system Liver Kidney |
| Xylenes (o-, m-, p- isomers) | no data available | no data available | X | no data available. | no data available |

Carcinogenicity

There are no known carcinogenic chemicals in this product.

| Component | ES | ACGIH | IARC | NTP | Other |
|------------------------------|----------------|----------------|----------------|----------------|----------------|
| Toluene | not applicable | not applicable | not applicable | not applicable | not applicable |
| Stainless Steel Flake | 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 |

12. ECOLOGICAL INFORMATION**Product Information**

No data available

Component Information

| Component | Toxicity to Algae | Toxicity to Fish | Microtox | Crustacea | log Pow |
|-----------|---|--|-------------------------|---|---------|
| Toluene | EC50 > 433 mg/L Pseudokirchneriella subcapitata 96 h EC50 = 12.5 mg/L Pseudokirchneriella subcapitata 72 h | LC50 15.22 - 19.05 mg/L Pimephales promelas 96 h LC50 = 12.6 mg/L Pimephales promelas 96 h LC50 5.89 - 7.81 mg/L Oncorhynchus mykiss 96 h LC50 14.1 - 17.16 mg/L Oncorhynchus mykiss 96 h LC50 = 5.8 mg/L Oncorhynchus mykiss 96 h LC50 11.0 - 15.0 mg/L Lepomis macrochirus 96 h LC50 = 54 mg/L Oryzias latipes 96 h LC50 = 28.2 mg/L Poecilia reticulata 96 h LC50 50.87 - 70.34 mg/L Poecilia reticulata 96 h | EC50 = 19.7 mg/L 30 min | 5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50 | 2.65 |

| | | | | | |
|------------------------------|---|--|-----------------------------|---|-------|
| Acetone | Not applicable | LC50 4.74 - 6.33 mL/L Oncorhynchus mykiss 96 h LC50 6210 - 8120 mg/L Pimephales promelas 96 h LC50 = 8300 mg/L Lepomis macrochirus 96 h | EC50 = 14500 mg/L 15 min | 10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50 | -0.24 |
| Propane | Not applicable | Oral | no data available | Not applicable | 2.3 |
| Butane | Not applicable | Oral | no data available | Not applicable | 2.89 |
| Xylenes (o-, m-, p- isomers) | EC50 = 11 mg/L Pseudokirchneriella subcapitata 72 h | LC50 = 13.4 mg/L Pimephales promelas 96 h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96 h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96 h LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96 h LC50 = 19 mg/L Lepomis macrochirus 96 h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96 h LC50 23.53 - 29.97 mg/L Pimephales promelas 96 h LC50 = 780 mg/L Cyprinus carpio 96 h LC50 > 780 mg/L Cyprinus carpio 96 h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96 h | EC50 = 0.0084 mg/L 24 h | 3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50 | 3.15 |

Eco toxicity effects No information available

Persistence and Degradability

Bioaccumulation No information available

Mobility No information available

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal. Do not puncture.

14. TRANSPORT INFORMATION

ADG 7

| | |
|-----------------------------|-------------------------------|
| UN-No | UN1950 |
| Proper Shipping Name | Aerosols |
| Hazard Class | 2.1 |
| Haz Chem Code | 2YE |
| Description | UN1950, Aerosols,2.1, LTD QTY |

15. REGULATORY INFORMATION

Australia

POISON SCHEDULE (SUSMP)

Schedule 5

16. OTHER INFORMATION

| | |
|---------------------|---------------------------|
| Prepared By | Arvind Rane |
| Super cedes Date | MAY 2019 |
| Issuing Date | JUNE 2020 |
| Reason for Revision | GHS REGULATORY |
| Glossary | No information available. |
| List of References. | No information available. |

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