

SAFETY DATA SHEET

YIELD AEROSOL

Infosafe No.: 8ADIM
ISSUED Date : 30/06/2020
ISSUED by: NCH AUSTRALIA PTY LTD,DIV. OF
NCH CORPORATION

1. Identification

GHS Product Identifier

YIELD AEROSOL

Product Code

5068

Company name

NCH AUSTRALIA PTY LTD,DIV. OF NCH CORPORATION

Address

N2, 391, PARK ROAD REGENTS PARK
NSW 2143 AUSTRALIA

Telephone/Fax Number

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+61-2-96690237 / 0401718972

Recommended use of the chemical and restrictions on use

Penetrant, Release Agent, Lubricant

Additional Information

Chemical nature: Solvent blend

2. Hazard Identification

GHS classification of the substance/mixture

Physical Hazards:

Flammable Aerosols: Category 2

Gases under pressure: Compressed Gas

Health Hazard:

Aspiration Toxicity: Category 1

Serious Eye Damage/Eye Irritation: Category 2A

Specific target organ systemic toxicity (single exposure): Category 3

Other Hazards:

None

Signal Word (s)

DANGER

Hazard Statement (s)

H223 Flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Pictogram (s)

Flame,Exclamation mark,Health hazard,Gas cylinder

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Precautionary statement – Prevention

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
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P264 Wash face, hands and any exposed skin thoroughly after handling
P280 Wear protective gloves, protective clothing and eye protection.

Precautionary statement – Response

P301+P310 IF SWALLOWED: Immediately call a physician
P331 DO NOT induce vomiting
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.
P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

Precautionary statement – Storage

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Precautionary statement – Disposal

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

Other Information

Colour: Amber Brown
Physical state: liquid
Odour: Petroleum distillates

Mixture or Pure Substance: Mixture

3. Composition/information on ingredients

Ingredients

Name	CAS	Proportion
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	50-60 Weight % *
Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)	64742-53-6	15-25 Weight % *
Ethyl acetate	141-78-6	10-20 Weight % *
Butane	106-97-8	0-10 Weight % *
Propane	74-98-6	0-10 Weight % *

4. First-aid measures

First Aid Measures

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

Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

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Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Skin

Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Eye contact

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

Advice to Doctor

Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

5. Fire-fighting measures

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO2). Foam. Dry chemical.

Special Protective Equipment for fire fighters

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

Specific Hazards Arising From The Chemical

Solvent vapours are heavier than air and may spread along floors. Vapours may ignite and explode. Flame extension: >24 inches / >61 cm and Burn back: >3 inch / >7.5 cm. Material can create slippery conditions

Hazchem Code

2YE

6. Accidental release measures

Methods And Materials 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: Use clean non-sparking tools to collect absorbed material.

Personal Precautions

Use personal protective equipment. Remove all sources of ignition. 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.

Other Information

Neutralizing Agent: Not applicable.

7. Handling and storage

Precautions for Safe Handling

Keep away from heat and sources of ignition.

Avoid breathing vapours or mists.

Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Keep away from open flames, hot surfaces and sources of ignition

Storage Conditions: Indoor

Storage Temperatures

Minimum 2°C

Maximum 49°C

8. Exposure controls/personal protection

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Occupational exposure limit values

Exposure Guidelines:

Component: Petroleum distillates, hydro treated light naphthenic (<3% DMSO extractable)

ISHL: No data available

ACGIH TLV: 5 mg/m³ as oil mist

Component: Ethyl acetate

ES-TWA: STEL: 400 ppm; STEL: 1440 mg/m³; TWA: 200 ppm; TWA: 720 mg/m³

ISHL: ACL: 200 ppm

ACGIH TLV: TWA: 400 ppm

Component: Butane

ES-TWA: TWA: 800 ppm; TWA: 1900 mg/m³

ISHL: No data available

ACGIH TLV: STEL: 1000 ppm

Component: Propane

ISHL: No data available

ACGIH TLV: TWA: 1000 ppm

Appropriate engineering controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

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 Protection

Safety glasses with side-shields.

Hand Protection

Protective gloves

Body Protection

Wear suitable protective clothing, Impervious gloves.

Hygiene Measures

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

Properties	Description	Properties	Description
Form	Liquid	Appearance	Transparent -Hazy
Colour	Amber Brown	Odour	Petroleum distillates
Melting Point	No data available	Freezing Point	No information available
Boiling Point	71°C	Solubility	Negligible
Specific Gravity	0.840	pH	Not applicable
Vapour Pressure	1547 mm HG @ 21°C	Vapour Density (Air=1)	1.7
Evaporation Rate	24.77 (Butyl acetate=1)	Physical State	Liquid
Odour Threshold	No data available	Viscosity	Non viscous
Volatile Component	0% (Volume)	Flash Point	>27°C Method: Seta closed cup
Auto-Ignition Temperature	No information available.	Flammable Limits - Lower	Solvent mixture. 0.5% in Air
Flammable Limits - Upper	Solvent mixture. 11.5% in Air	Molecular Weight	No data available

Other Information

VOC Content (%): 41.901

VOC Content (g/L): 0

10. Stability and reactivity

Chemical Stability

Stable. Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames, and sparks.

Incompatible materials

Strong oxidizing agents, Strong acids, Strong bases, Amines, Nitric acid.

Hazardous Decomposition Products

Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Sulphur compounds, Hydrogen sulphide and smoke, Aldehydes.

Possibility of hazardous reactions

None under normal processing.

11. Toxicological Information

Toxicology Information

Product Information:

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

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

Oral LD50: 37,467.00

Dermal LD50: 5,672.00

Inhalation LC50:

Gas: 99,999.00

Mist: 3.00

Vapour: 15,855.00

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Primary Routes of Entry: Skin contact, Skin Absorption.

Target Organ Effects: Central nervous system, Cardiovascular system, Respiratory system, Liver, Kidney.

Aggravated Medical Conditions: Respiratory system, Skin disorders, Neurological disorders, Liver disorders, Kidney disorders.

Component Information:

Acute Toxicity:

Component: Solvent naphtha (petroleum), medium aliphatic

Draize Test: No data available

Other: No data available

Component: Ethyl acetate

Draize Test: No data available

Other: No data available

Component: Butane

Draize Test: No data available

Other: No data available

Component: Propane

Draize Test: No data available

Other: No data available

Acute Toxicity - Oral

Component Information:

Component: Solvent naphtha (petroleum), medium aliphatic

Oral LD50: > 5000 mg/kg (Rat)

Component: Ethyl acetate

Oral LD50: = 5620 mg/kg (Rat)

Acute Toxicity - Inhalation

Component Information:

Component: Solvent naphtha (petroleum), medium aliphatic

Inhalation LC50: > 5.28 mg/L (Rat) 4 h

Component: Butane

Inhalation LC50: = 658 g/m³ (Rat) 4 h

Component: Propane

Inhalation LC50: = 658 mg/L (Rat) 4 h

Acute Toxicity - Dermal

Component Information:

Component: Solvent naphtha (petroleum), medium aliphatic

Dermal LD50: = 3000 mg/kg (Rabbit)

Component: Ethyl acetate

Dermal LD50: > 18000 mg/kg (Rabbit)

Component: Butane

Dermal LD50: Not applicable

Component: Propane

Dermal LD50: Not applicable

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

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Inhalation

May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Skin

Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Eye

Causes eye irritation.

Mutagenicity

Component Information:

Component: Ethyl acetate

Mutagenicity: No data available

Component: Butane

Mutagenicity: No data available

Component: Propane

Mutagenicity: No data available

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Reproductive Toxicity

Component Information:

Component: Ethyl acetate

Reproductive Toxicity: No data available

Component: Butane

Reproductive Toxicity: No data available

Component: Propane

Reproductive Toxicity: No data available

Subchronic/Chronic Toxicity

Component Information:

Component: Ethyl acetate

Sensitization: Not applicable

Developmental Toxicity: No data available

Target Organ Effects: Skin Eyes Respiratory system

Component: Butane

Sensitization: Not applicable

Developmental Toxicity: No data available

Target Organ Effects: Central nervous system

Component: Propane

Sensitization: Not applicable

Developmental Toxicity: No data available

Target Organ Effects: Central nervous system

Chronic Effects

Repeated and prolonged exposure to solvents may cause brain and nervous system damage, Liver and kidney injuries may occur.

12. Ecological information

Ecological information

Product Information: No data available

Component Information:

Component: Solvent naphtha (petroleum), medium aliphatic

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Log Pow: N/A

Component: Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)

Log Pow: N/A

Component: Ethyl acetate

Log Pow: 0.6

Component: Butane

Log Pow: 2.89

Component: Propane

Log Pow: 2.3

Ecotoxicity

No information available

Mobility

No information available

Bioaccumulative Potential

No information available

Acute Toxicity - Fish

Component Information:

Component: Solvent naphtha (petroleum), medium aliphatic

Toxicity to Fish: LC50 = 800 mg/L Pimephales promelas 96 h

Component: Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)

Toxicity to Fish: LC50 > 5000 mg/L Oncorhynchus mykiss 96 h

Component: Ethyl acetate

Toxicity to Fish: LC50 220 - 250 mg/L Pimephales promelas 96 h; LC50 = 484 mg/L Oncorhynchus mykiss 96 h; LC50 352 - 500 mg/L Oncorhynchus mykiss 96 h

Component: Butane

Toxicity to Fish: Oral

Component: Propane

Toxicity to Fish: Oral

Acute Toxicity - Daphnia

Component Information:

Component: Solvent naphtha (petroleum), medium aliphatic

Crustacea: 100: 48 h Daphnia magna mg/L EC50

Component: Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)

Crustacea: 1000: 48 h Daphnia magna mg/L EC50

Component: Ethyl acetate

Crustacea: 560: 48 h Daphnia magna mg/L EC50 Static

Component: Butane

Crustacea: Not applicable

Component: Propane

Crustacea: Not applicable

Acute Toxicity - Algae

Component Information:

Component: Solvent naphtha (petroleum), medium aliphatic

Toxicity to Algae: EC50 = 450 mg/L Pseudokirchneriella subcapitata 96 h

Component: Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)

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Toxicity to Algae: Not applicable

Component: Ethyl acetate
Toxicity to Algae: Not applicable

Component: Butane
Toxicity to Algae: Not applicable

Component: Propane
Toxicity to Algae: Not applicable

Acute Toxicity - Bacteria

Component Information:
Component: Solvent naphtha (petroleum), medium aliphatic
Microtox: No data available

Component: Petroleum distillates, hydrotreated light naphthenic (<3% DMSO extractable)
Microtox: No data available

Component: Ethyl acetate
Microtox: EC50 = 1180 mg/L 5 min; EC50 = 1500 mg/L 15 min; EC50 = 5870 mg/L 15 min; EC50 = 7400 mg/L 2 h

Component: Butane
Microtox: No data available

Component: Propane
Microtox: No data available

13. Disposal considerations

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal. Do not re-use empty containers.

14. Transport information

U.N. Number

1950

UN proper shipping name

Aerosols, flammable

Transport hazard class(es)

2.1

Hazchem Code

2YE

IERG Number

49

UN Number (Air Transport, ICAO)

1950

IATA/ICAO Proper Shipping Name

Aerosols, flammable

IATA/ICAO Hazard Class

2.1

IMDG UN No

1950

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IMDG Proper Shipping Name

Aerosols, flammable

IMDG Hazard Class

2.1

Other Information

ADG 7:

UN-No: UN1950

Proper Shipping Name: Aerosols, flammable

Hazard Class: 2.1

Hazchem Code: 2YE

Description: UN1950, Aerosols, flammable, 2.1, LTD QTY

15. Regulatory information

Poisons Schedule

Not Scheduled

16. Other Information

References

No information available.

User Codes

User Title Label	User Codes
Wis Numbers	00567273

Signature of Preparer/Data Service

Prepared By: Arvind Rane

Revisions Highlighted

Reason for Revision: GHS -SDS FORMAT

Other Information

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END OF SDS

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