

Safety Data Sheet FULLBACK AEROSOL

Supersedes Date 02/19/2013

Issuing Date 10/15/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name FULLBACK AEROSOL
Recommended use Cleaning agent Water based degreaser
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 5498
Chemical nature Aqueous mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color off-white - White

Physical state liquid

Odor Citrus

GHS

Classification

Physical Hazards

Flammable Aerosols
Gases under pressure

Category 1
Compressed Gas

Health Hazard

Acute Inhalation Toxicity - Gas
Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation
Respiratory Sensitization
Skin sensitization
Specific target organ systemic toxicity (single exposure)
Specific target organ toxicity (repeated exposure)

Category 4
Category 2
Category 2B
Category 1
Category 1
Category 3
Category 2

Other hazards

None

Labeling

Signal Word

WARNING



Hazard statements

H222 - Extremely flammable aerosol
H332 - Harmful if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H336 - May cause drowsiness or dizziness
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H320 - Causes eye irritation
H373 - May cause damage to organs through prolonged or repeated exposure
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements

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
P280 - Wear protective gloves, protective clothing and eye protection.
P271 - Use in a well-ventilated area.
P261 - Avoid breathing vapor, mist or gas
P264 - Wash face, hands and any exposed skin thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a physician if unwell.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P333 + P313 - If skin irritation or rash occurs, get medical attention
P363 - Wash contaminated clothing before reuse
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.
P403 - Store in a well-ventilated place
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents and container in accordance with applicable local regulations.

3 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Weight % *
1-Tetradecene	1120-36-1	10-30
Butane	106-97-8	5-10
D-Limonene	5989-27-5	3-7
PEG-4 Rapeseedamide	85536-23-8	1-5
Propane	74-98-6	1-5

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Avoid breathing vapors, 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	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.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician	May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point 160 °F / 71 °C

Method Seta closed cup

Flammability Limits in Air %: Propellant.

Upper: 9.5

Lower: 0.5

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO₂). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Extremely flammable. Flame extension: >30 inches / >76 cm and Burnback: 0 inch / 0 cm. Solvent vapors are heavier than air and may spread along floors. Vapors 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, NOHSC (approved or equivalent) and full protective gear.

Aerosol Level (NFPA 30B) -

1

NFPA

Health 2

Flammability 4

Instability 0

HMIS

Health 2

Flammability 4

Instability 0

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	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. Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.
Storage	Keep away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.
Storage Temperature	Minimum 35 °F / 2 °C Maximum 120 °F / 49 °C
Storage Conditions	Indoor X Outdoor Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Butane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m ³
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³	2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin Protection

Wear suitable protective clothing, Impervious gloves.

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.

General Hygiene Considerations

Wear protective gloves/clothing. 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

Physical state	liquid	Viscosity	Semi-viscous
Color	off-white - White	Odor	Citrus
Odor Threshold	Not applicable	Appearance	Opaque
pH	9.4	Specific Gravity	0.884
Evaporation Rate	14.95 (Butyl acetate=1)	Percent Volatile (Volume)	0
VOC Content (%)	14.5	VOC Content (g/L)	0
Vapor Pressure	139 mmHg @ 70°F	Vapor Density	1.7 (Air = 1.0)
Solubility	Emulsifies	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	208 °F / 98 °C	Flammability (solid, gas)	No data available
Flash Point	160 °F / 71 °C	Method	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Propellant	Upper: 9.5 Lower: 0.5	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition.
Incompatible Products	Strong oxidizing agents, Strong acids.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx).
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

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

Oral LD50	36,018.01
Dermal LD50	23,812.19
Inhalation LC50	
Gas	No information available
Mist	5,037.46
Vapor	5,037.46

Principle Route of Exposure Skin contact, Eye contact, Inhalation.**Primary Routes of Entry** Skin Absorption, Skin contact.**Acute Effects:****Eyes**

Causes eye irritation.

Skin

Causes skin irritation. May cause allergic skin reaction.

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.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity

May cause sensitization of susceptible persons.

Target Organ Effects

Central nervous system, Immune system, Heart.

Aggravated Medical Conditions

Skin disorders, Neurological disorders, Heart disease.

Component Information**Acute Toxicity**

Component	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
1-Tetradecene	> 10000 mg/kg (Rat) =	> 10000 mg/kg (Rabbit)	no data available	no data available	no data available

1120-36-1	21300 mg/kg (Rat)	= 10000 mg/kg (Rabbit) > 2430 mg/kg (Rabbit)			
Butane 106-97-8	no data available	no data available	= 658 g/m ³ (Rat) 4 h	no data available	no data available
D-Limonene 5989-27-5	= 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	no data available	no data available	no data available
Propane 74-98-6	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Butane 106-97-8	no data available	no data available	no data available	no data available	Central nervous system
D-Limonene 5989-27-5	no data available	Skin sensitization, Respiratory sensitization	no data available	no data available	no data available
Propane 74-98-6	no data available	no data available	no data available	no data available	Central nervous system

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
D-Limonene 5989-27-5	not applicable	Group 3	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	log Pow
1-Tetradecene	EC50 22 - 24 mg/L Pseudokirchneriella subcapitata 96 h	LC50 10.0 - 32.0 mg/L Poecilia reticulata 96 h LC50 1 - 3.2 mg/L Brachydanio rerio 96 h LC50 = 1.06 mg/L Pimephales promelas 96 h LC50 = 0.39 mg/L Oncorhynchus mykiss 96 h	EC50 > 10000 mg/L 6 h	0.74: 48 h Daphnia magna mg/L EC50	N/A
Butane	No information available.	No information available.	No information available	No information available.	2.89
D-Limonene	No information available.	LC50 0.619 - 0.796 mg/L Pimephales promelas 96 h LC50 = 35 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A
Propane	No information available.	No information available.	No information available	No information available.	2.3

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information 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.

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name
Hazard Class
Description

Consumer commodity
 ORM-D
 Consumer commodity, ORM-D

TDG

Proper shipping name
Hazard Class
UN-No
Description

Aerosols, Flammable
 2.1
 UN1950
 UN1950, Aerosols, 2.1

ICAO**UN-No**

UN1950

Proper Shipping Name Aerosols
Hazard Class 2.1
Shipping Description UN1950, Aerosols, 2.1

IATA

UN-No UN1950
Proper Shipping Name Aerosols, Flammable
Hazard Class 2.1
Shipping Description UN1950, Aerosols, 2.1

IMDG/IMO

Proper Shipping Name Aerosols
Hazard Class 2.1
UN-No UN1950
Description UN1950, Aerosols, 2.1

15. REGULATORY INFORMATION**Inventories**

TSCA Complies

DSL Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	Yes	No

CERCLA

16. OTHER INFORMATION

Prepared By Sarah Williamson
Supersedes Date 02/19/2013
Issuing Date 10/15/2015
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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