

Material Safety Data Sheet: LEXITE NF AEROSOL

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name LEXITE NF AEROSOL
Recommended use Cleaning agent
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 5203
Chemical nature Halogenated hydrocarbon
Emergency Telephone Number
CHEMTREC® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

DANGER

May cause skin irritation
May cause eye irritation
May be harmful if inhaled
May be harmful if swallowed
Contents under pressure

Color Colorless

Physical State Liquid

Odor Sweet

Potential Health Effects

Principle Route of Exposure

Skin contact, Eye contact, Inhalation.

Primary Routes of Entry

Skin Absorption, Inhalation.

Acute Effects

Eyes

May cause eye irritation.

Skin

May cause skin irritation. May be absorbed through the skin in harmful amounts.

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

Chronic Toxicity

Liver and kidney injuries may occur. Prolonged or repeated inhalation may cause damage to the lungs. Prolonged skin contact may defat the skin and produce dermatitis. Contains a known or suspected reproductive toxin.

Target Organ Effects

Central nervous system, Cardiovascular system, Peripheral Nervous System (PNS), Respiratory system, Heart, Kidney, Liver, Reproductive System.

Aggravated Medical Conditions

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

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
n-Propyl bromide	106-94-5
Carbon dioxide	124-38-9
tert-Butyl alcohol	75-65-0

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, 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 with soap and plenty of water. Get medical attention if irritation develops and persists.

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 immediately. Never give anything by mouth to an unconscious person.

Notes to physician

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

5. FIRE-FIGHTING MEASURES

Flash Point > 201 °F / > 94 °C

Method

Tag closed cup

Autoignition Temperature No information available.

Upper 8.0

Lower 2.4

Flammability Limits in Air % Solvent mixture.

Suitable Extinguishing Media

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

Specific hazards arising from the chemical

Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: 0 inches / 0 cm and Burnback: 0 inch / 0 cm. Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Aerosol Level (NFPA 30B) -

1

NFPA Health 2
HMIS Health 2

Flammability 1
Flammability 1

Instability 0
Instability 0

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Use personal protective equipment. 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

Pick up and transfer to properly labeled containers.

Neutralizing Agent

Not applicable.

7. HANDLING AND STORAGE**Handling**

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

Storage

Store in original container.

Storage Temperature

Minimum 36 °F / 2 °C

Maximum 120 °F / 49 °C

Storage Conditions

Indoor X **Outdoor** X

Heated **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines**

Component	ACGIH TLV	OSHA PEL	NIOSH
n-Propyl bromide	TWA: 10 ppm	No data available	No data available
Carbon dioxide	TWA: 5000 ppm STEL: 30000 ppm	TWA: 5000 ppm TWA: 9000 mg/m ³	IDLH: 40000 ppm STEL 30000 ppm STEL 54000 mg/m ³ TWA: 5000 ppm TWA: 9000 mg/m ³
tert-Butyl alcohol	TWA: 100 ppm	TWA: 100 ppm TWA: 300 mg/m ³	IDLH: 1600 ppm STEL 150 ppm STEL 450 mg/m ³ TWA: 100 ppm TWA: 300 mg/m ³

Engineering Measures

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment**Eye/Face Protection**

Safety glasses with side-shields.

Skin Protection

For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations

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	Non viscous
Color	Colorless	Odor	Sweet
Appearance	Transparent	pH	N/A
Specific Gravity	0.987	Evaporation Rate	91.72 (BuAc = 1)
Percent Volatile (Volume)	100	VOC Content (%)	96.6
VOC Content (g/L)	953	Vapor Pressure	4046.15 mmHg @ 70°F
Vapor Density	1.6 (Air = 1.0)	Solubility	Negligible
Boiling Point/Range	160 °F / 71 °C		

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
n-Propyl bromide	no data available	no data available	= 253 g/m ³ (Rat) 30 min	no data available	no data available
Carbon dioxide	no data available	no data available	no data available	no data available	no data available
tert-Butyl alcohol	= 2733 mg/kg (Rat)	> 2 g/kg (Rabbit)	> 10000 ppm (Rat) 4 h	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
n-Propyl bromide	no data available	no data available	no data available	X	CNS, PNS, heart, liver, kidney, respiratory system, reproductive system
Carbon dioxide	no data available	no data available	no data available	no data available	respiratory system, CVS
tert-Butyl alcohol	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
n-Propyl bromide	not applicable				
Carbon dioxide	not applicable				
tert-Butyl alcohol	not applicable				

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
n-Propyl bromide	no data available	LC50 = 67.3 mg/L Pimephales promelas 96 h	no data available	no data available	2.1
Carbon dioxide	no data available	no data available	no data available	no data available	N/A
tert-Butyl alcohol	EC50 > 1000 mg/L Desmodesmus subspicatus 72 h	LC50 6130 - 6700 mg/L Pimephales promelas 96 h	EC50 > 10000 mg/L 17 h	EC50= 933 mg/L 48 h EC50 4607 - 6577 mg/L 48 h	0.35

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	CONSUMER COMMODITY ORM-D
Hazard Class	ORM-D
Description	CONSUMER COMMODITY ORM-D

TDG

Proper shipping name AEROSOLS
 Hazard Class 2.2
 UN-No UN1950
 Description AEROSOLS, 2.2, UN1950 LTD QTY

ICAO

UN-No UN1950
 Proper Shipping Name AEROSOLS
 Hazard Class 2.2
 Shipping Description UN1950, AEROSOLS, NON-FLAMMABLE, 2.2 LTD QTY

IATA

UN-No UN1950
 Proper Shipping Name AEROSOLS, NON-FLAMMABLE
 Hazard Class 2.2
 Shipping Description UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, LTD QTY

IMDG/IMO

Proper Shipping Name AEROSOLS
 Hazard Class 2.2
 UN-No UN1950
 EmS No. F-D, S-U
 Shipping Description UN1950, AEROSOLS, 2.2 LTD QTY

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
tert-Butyl alcohol	75-65-0	1-5	1.0

SARA 311/312 Hazardous Categorization

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
n-Propyl bromide	Not applicable	Not applicable
Carbon dioxide	Not applicable	Not applicable
tert-Butyl alcohol	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

A Compressed gases D2A Very toxic materials D2B Toxic materials



16. OTHER INFORMATION

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 Reason for Revision No information available.
 Glossary No information available.
 List of References. No information available.

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