

Safety Data Sheet: CLEAN N DRY

Supersedes Date 04/01/2011

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CLEAN N DRY
Recommended use Lubricant
Information on Manufacturer
Partsmaster, Div of NCH Corp.
P.O. Box 655326
Dallas, TX 75265-5326

Product Code 5496
Chemical nature Resins in solution
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color White

Physical State Liquid

Odor Rubbing alcohol

GHS

Classification

Physical Hazards

Flammable aerosols
Gases under pressure

Category 1
Compressed Gas

Health Hazard

Acute Inhalation Toxicity - Gas
Acute Inhalation Toxicity - Dusts and Mists
Serious Eye Damage/Eye Irritation
Specific target organ systemic toxicity (single exposure)
Specific target organ systemic toxicity (repeated exposure)

Category 4
Category 3
Category 2
Category 3
Category 2

Other hazards

None

Labeling

Signal Word

DANGER



Hazard Statements

H222 - Extremely flammable aerosol
H331 - Toxic if inhaled
H336 - May cause drowsiness or dizziness
H319 - Causes serious 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.
P251 - Pressurized container: Do not pierce or burn, even after use
P280 - Wear protective gloves, protective clothing and eye protection.
P270 - Do not eat, drink or smoke when using this product
P261 - Avoid breathing vapor, mist or gas
P271 - Use in a well-ventilated area.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
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.
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 + P235 - Store in a well-ventilated place. Keep cool
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 regulations.

2 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Isopropyl alcohol	67-63-0	40-70
Butane	106-97-8	15-40

Propane	74-98-6	7-13
Polytetrafluoroethylene	9002-84-0	1-5

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 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. Never give anything by mouth to an unconscious person.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	53 °F / 12 °C	Method	Seta closed cup
Flammability Limits in Air % Propellant.		Upper	12.7
Suitable Extinguishing Media		Lower	1.8
Foam. Alcohol-resistant foam. Dry chemical. Water spray. Carbon dioxide (CO2). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
Unsuitable Extinguishing Media	None known.		
Specific hazards arising from the chemical	Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: 30 inches / 75 cm and Burnback: 0 inch / 0 cm.		
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) -	3		
NFPA	Health 2	Flammability 4	Instability 0
HMIS	Health 2	Flammability 4	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Remove all sources of ignition. 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 contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.			
Storage	Keep away from heat and sources of ignition.			
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
Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 980 mg/m ³	IDLH: 2000 ppm STEL 500 ppm STEL 1225 mg/m ³ TWA: 400 ppm TWA: 980 mg/m ³
Butane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m ³
Propane	TWA: 1000 ppm	TWA: 1000 ppm	IDLH: 2100 ppm

		TWA: 1800 mg/m ³	TWA: 1000 ppm TWA: 1800 mg/m ³
Polytetrafluoroethylene	No data available	No data available	No data available

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	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	Slight Viscous
Color	White	Odor	Rubbing alcohol
Odor Threshold	Not applicable	Appearance	Hazy
pH	Not applicable	Specific Gravity	0.69
Evaporation Rate	51.6 (BuAc = 1)	Percent Volatile (Volume)	99.7
VOC Content (%)	99.0	VOC Photoreactive (Y/N)	Yes
VOC Content (g/L)	682	Vapor Pressure	1301 mmHg @ 70°F
Vapor Density	1.9 (air = 1)	Solubility	Moderately soluble
n-Octanol/Water Partition	No data available	Melting Point/Range	No data available
Decomposition Temperature	No data available	Boiling Point/Range	180 °F / 82 °C
Flammability (solid, gas)	No data available		
Flash Point	53 °F / 12 °C	Method	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %	Propellant.	Upper 12.7 Lower 1.8	

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, Aluminium.
Hazardous Decomposition Products	Carbon oxides, Hydrogen fluoride, Fluorinated hydrocarbons.
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure	Inhalation, Skin contact, Eye contact.
Primary Routes of Entry	Inhalation

Acute Effects

Eyes	Causes eye irritation.
Skin	May cause skin irritation.
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. May be fatal if inhaled in large quantities.

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

Chronic Toxicity	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 . Prolonged or repeated exposure increases the risk. Liver and kidney injuries may occur.
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Target Organ Effects Eyes, Skin, Respiratory system, Central nervous system, Liver, Kidney.

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

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Isopropyl alcohol	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rabbit)	= 16000 ppm (Rat) 8 h	no data available	no data available

Butane	no data available	no data available	= 658 g/m ³ (Rat) 4 h	no data available	no data available
Propane	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Polytetrafluoroethylene	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
Isopropyl alcohol	no data available	no data available	no data available	no data available	eyes, respiratory system, skin, liver, kidney, CNS
Butane	no data available	no data available	no data available	no data available	CNS, heart
Propane	no data available	no data available	no data available	no data available	CNS, heart
Polytetrafluoroethylene	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	ACGIH	IARC	NTP	OSHA	Other
Isopropyl alcohol	not applicable	not applicable	not applicable	not applicable	not applicable
Butane	not applicable	not applicable	not applicable	not applicable	not applicable
Propane	not applicable	not applicable	not applicable	not applicable	not applicable
Polytetrafluoroethylene	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION**Product Information**

No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Isopropyl alcohol	EC50 > 1000 mg/L Desmodesmus subspicatus 96 h EC50 > 1000 mg/L Desmodesmus subspicatus 72 h	LC50 = 9640 mg/L Pimephales promelas 96 h LC50 = 11130 mg/L Pimephales promelas 96 h LC50 > 1400000 µg/L Lepomis macrochirus 96 h	EC50 = 35390 mg/L 5 min	EC50= 13299 mg/L 48 h	0.05
Butane	no data available	no data available	no data available	no data available	2.89
Propane	no data available	no data available	no data available	no data available	2.3
Polytetrafluoroethylene	no data available	no data available	no data available	no data available	N/A

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 containers should be taken for local recycling, recovery, or waste disposal. Empty remaining contents.

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name	Consumer commodity
Hazard Class	ORM-D
Description	Consumer commodity ,ORM-D,

TDG

Proper shipping name	Aerosols
Hazard Class	2.1
UN-No	UN1950

ICAO

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

IATA

UN-No	UN1950
Proper Shipping Name	Aerosols, flammable

Hazard Class 2.1
ERG Code 10L
Shipping Description UN1950, Aerosols, flammable, 2.1 LTD. QTY.

IMDG/IMO

Proper Shipping Name Aerosols
Hazard Class 2.1
UN-No UN1950
EmS No. F-D, S-U
Shipping Description UN1950, Aerosols, 2.1 LIMITED QUANTITIES

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
Isopropyl alcohol	67-63-0	40-70	1.0

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

Component	Hazardous Substances RQs	CERCLA EHS RQs
Isopropyl alcohol	Not applicable	Not applicable
Butane	Not applicable	Not applicable
Propane	Not applicable	Not applicable
Polytetrafluoroethylene	Not applicable	Not applicable

16. OTHER INFORMATION

Prepared By Angela Hutson

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Reason for Revision No information available.

Glossary No information available.

List of References. No information available.

Partsmaster, Div of NCH Corp. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.