

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFICATION

Brand Name: **Free and Clear**
 SDS#: 1035
 Chemical Name: Mixture
 Use of the
 Substance/Preparation: Neutral Cleaner

HMIS NFPA

HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0
HMIS PPE	B	
HAZARD RATINGS: 4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=Insignificant PERSONAL PROTECTIVE EQUIPMENT (PPE): B=Safety Glasses, Gloves		

PREPARER

Wayne Concept
 5005 Speedway Drive
 Fort Wayne, IN 46825
 Phone: 260-482-8615
 Fax: 260-483-5598

EMERGENCY TELEPHONE NUMBER

INFOTRAC 1-800-535-5053

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Green liquid with mint odor.

WARNING. Slight skin and eye irritation. Harmful if swallowed.
 This product is not combustible.
 Use extinguishing media suitable for the materials that are burning.

GHS Classifications: Acute Toxicity (oral); Category 4
 Acute Toxicity (dermal); Category 4
 Skin Corrosion/Irritation; Category 3
 Serious Eye Damage/Irritation; Cat. 2B

POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY

Eye, skin contact.

SYMPTOMS OF EXPOSURE

Eye contact: Slight irritant. Can cause redness, irritation.
 Skin contact: Slight irritant. Prolonged and repeated contact may cause dermatitis and burning of mucous membrane.
 Inhalation: Inhalation not likely. Direct contact or exposure to vapors may cause irritation.
 Ingestion: Can cause nausea, diarrhea, abdominal cramps. May be harmful if swallowed.



MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Upper respiratory tract infections.

REPORTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

Not Applicable OSHA
 National Toxicology Program (NTP) International Agency for Research on Cancer (IARC)

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Chemical Name	%	CAS#	EU Classification*
Alcohols, C9-11, ethoxylated	1 – 5	68439-46-3	R41
Isopropyl alcohol	≤ 1	67-63-0	
Sodium xylene sulfonate	≤ 1	1300-72-7	

*See Section 16 for the full text of the Classification Phrases declared.

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.
 (Note: See Section 8 of this MSDS for Exposure Guidelines)

4. FIRST AID MEASURES

EYE CONTACT

Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.

SKIN CONTACT

Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

INHALATION

Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

INGESTION

If victim is conscious and alert, give 3-4 glasses of water, but **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person. Do not leave victim unattended.

5. FIRE FIGHTING MEASURES

Flash Point and Method: >200°F (Setaflash CC)

GENERAL HAZARD

This product is not combustible.

EXTINGUISHING MEDIA

Use media suitable for the material that is burning.

SPECIAL FIRE FIGHTING INSTRUCTIONS

Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.

FIRE FIGHTING EQUIPMENT

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

6. ACCIDENTAL RELEASE MEASURES

Spill area will be slippery. Wear appropriate protective equipment (See Section 8).

Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread.

Prevent liquid from entering sewers or waterways.

7. HANDLING AND STORAGE

HANDLING

Wear appropriate protective equipment (See Section 8).

STORAGE

Keep container tightly closed. Keep away from heat, and sunlight. Storage temperature range: 5-30°C. If material freezes or striates, gently thaw prior to use. Mild agitation may be required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

In applications where the product will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

PERSONAL PROTECTION

Respirator: In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

Eye Protection: Wear safety glasses with side shields or goggles.

Gloves: Wear natural rubber gloves.

Clothing: Normal working clothing is generally adequate.

Other: Eye wash; safety shower.

EXPOSURE CONTROLS

COMPONENT	OSHA PEL		OSHA PEL	
	TWA	STEL	TWA	STEL
Isopropyl alcohol	400 ppm	980 mg/m ³		

9. PHYSICAL AND CHEMICAL PROPERTIES

State Liquid
Color Green
Odor..... Mint
Evaporation RateAbout the same as water
Vapor Density(Air=1)>1
Boiling Point, °C..... 210°F initial
Weight per Gallon 8.48 ±0.05 lb/gal
Specific Gravity @20°C..... 1.02±0.005
Water Solubility..... Complete
pH. 8.5 ± 0.5

10. STABILITY AND REACTIVITY

REACTIVITY

Stable

INCOMPATIBILITIES

Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide.

CONDITIONS TO AVOID

Avoid contact with heat.

11. TOXICOLOGICAL INFORMATION

Alcohols, C9-11, ethoxylatedOral LD₅₀ (Rat): 1,378 mg/kg, Dermal LD₅₀ (Rat): >5,000 mg/kg

Primary skin irritation (Rabbit): Moderately to severely irritating

Primary eye irritation (Rabbit): Severely irritating

Sodium xylene sulfonate

Oral LD50 (Rat): >5g/kg, Dermal (Draize) (Rabbit): >2 g/kg

Skin irritation (Rabbit): Slightly irritating

Eye irritation(Rabbit): Slightly irritating

Isopropyl alcohol

Oral LD50 (Rat): 5,800 mg/kg

Inhalation LC50 8h(Rat): 12,000 ppm

Dermal LD50 (Rabbit): 16.4 ml/kg

Skin irritation: Slight

Eye irritation: Moderate

12. ECOLOGICAL INFORMATION

Alcohols, C9-11, ethoxylatedLC₅₀ (Fish toxicity, *Rainbow trout*): 1-10 mg/l, 96hr. Value estimated from tests on similar products.LC₅₀ (Fish toxicity, *Fathead minnow*): 6 mg/l, 96hr. Value estimated from tests on similar products.EC₅₀ (Aquatic invertebrate toxicity, *Daphnia*): 1-10 mg/l, 48hr. Value estimated from tests on similar products.EC₅₀ (Algae toxicity, *Skeletonema costatum*):1-10 mg/l, 72hr. Value estimated from tests on similar products.EC₅₀ (Bacterium toxicity, *Nitrifying bacteria*): 410 mg/l, 4hr. Value estimated from tests on similar products.**Isopropyl alcohol**

96h LC50 (fathead minnow): >1000 ul/l

48h LC50 (golden orfe): 8970 – 9280 mg/l

96h LC50 (daphnid): >1000 ul/l

BOD No data

COD..... No data

Heavy metals No data

Biodegradability Readily biodegradable.

13. DISPOSAL CONSIDERATIONS

RCRA Waste Code: Not regulated under RCRA, 40 CFR 261

Products: Keep away from natural water sources. Observe all applicable federal, state, and local regulations.

Empty packaging: Remove all residue when emptying.

14. TRANSPORTATION INFORMATION

DOT/IMDG/IATA Hazard Classification: Non-Hazardous, not regulated

Hazardous: N

Shipping Name: LIQUID CLEANING COMPOUNDS

Freight Class: 55

15. REGULATORY INFORMATION**(Not meant to be all-inclusive, selected regulations represented)**

OSHA HAZARD COMMUNICATION STANDARD (26 CFR 1910.1200) Hazardous Non-Hazardous**CERCLA/SUPERFUND (40 CFR 117, 302)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

SARA HAZARD CATEGORIES (40 CFR 370) Acute Chronic Fire Pressure Reactive None**SARA TOXIC SUBSTANCES (40 CFR 372)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

INCI NAME

Pareth-6/C9-11

STATE REGULATIONS

California Proposition 65: Not Regulated

OTHER INFORMATION ABBREVIATIONS

C:	Ceiling limit	N/A:	Not Applicable	N/D:	Not determined
N/E:	Not established	N/K:	Not known	RQ:	Reportable quantity

TPQ: Threshold Planning Quantity

TEXT OF R PHRASES IN SECTION 2

R41: Risk of serious damage to eyes

Date Prepared: 02/13/2014**Date Revised:** 08/21/18

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