

MATERIAL SAFETY DATA SHEET

Brackett, Inc.

Product Name(s)

ACTIVATE PLUS

BRACKETT, INC CHILL SET SOLUTION Product #180323-1

For Emergency Call: 785-862-2205 or

Effective Date: 01/01/07

I. IDENTIFICATION**CHEMICAL NAME OF PRIMARY COMPONENT(S):**

Alkylaryl polyoxyethylene glycols, free fatty acids

FORMULA: Not applicable**MOLECULAR WEIGHT:** Not applicable**SYNONYMS:** Not applicable**CAS# & NAME:** Not applicable**EPA Reg No:** Not applicable**II. INGREDIENTS / SUMMARY OF HAZARDS**

(H)/INGREDIENT(S)	CAS NUMBER	OSHA HAZARD NON-HAZARD(NH)	PERCENT
Alkylaryl polyoxyethylene glycols, free fatty acids, & IPA	67-63-0	Y	90.0%
(IPA is Isopropyl Alcohol)	67-63-0	Y	trace
Formulation aids	67-63-0	N	10.0%

	NFPA ^{1/}	HMIS ^{2/}
HEALTH	1	1
FIRE	1	1
REACTIVITY	0	0

1/ National Fire Protection Association Rating

2/ Hazardous Materials Identification System

(4=Extreme/Severe 3=High/Serious 2=Moderate 1=Slight 0=Minimum)

SARA TITLE III HAZARD CLASSIFICATION

IMMEDIATE (ACUTE) HEALTH	Yes
DELAYED (CHRONIC) HEALTH	No
FIRE	No
SUDDEN RELEASE OF PRESSURE	No
REACTIVE	No

III. PHYSICAL DATA

SPECIFIC GRAVITY: 1.025 at 25° C
BOILING POINT: Not determined
FREEZING POINT: Not determined
VAPOR PRESSURE: Not determined
SOLUBILITY IN WATER: Not determined
APPEARANCE: Clear pale yellow liquid
ODOR: Mild sweet, soapy

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200° F (PMCC)
FLAMMABLE LIMITS IN AIR: Not determined
AUTOIGNITION TEMPERATURE: Not determined
EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical for small fires and water fog or foam (alcohol, polymer or ordinary) for large fires. Water stream may spread flames.
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should use self contained breathing apparatus and full turnout gear. Prevent runoff of fire water. Avoid exposure to smoke.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

V. REACTIVITY DATA

STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: Sources of extreme heat or ignition, prolonged storage at temperatures above 90° F (32° C)
MATERIALS TO AVOID: None known
HAZARDOUS DECOMPOSITION PRODUCTS: None known
HAZARDOUS POLYMERIZATION: Will not occur.

VI. HEALTH HAZARD DATA/FIRST AID PROCEDURES

TOXICOLOGY DATA:

Acute Oral LD ₅₀ (rat):	2600 mg/L
Acute Dermal LD ₅₀ (rabbit):	>2000 mg/L
Acute Inhalation:	>2.55 mg/L
Eye Irritation (rabbit):	Irritatory
Dermal Irritation (rabbit):	Slight
Dermal Sensitization:	Not sensitizing

EXPOSURE LIMITS:

CHEMICAL NAME(S)	ACGIH (TLV)	OSHA (TWA)
Isopropyl Alcohol	980 mg/m ³	980 mg/m ³

CARCINOGENICTY, TERATOGENICITY, MUTAGENICITY: Not listed as a carcinogen by NRC, IARC, or OSHA.

SIGNS OF POISONING: Irritation of the eyes, skin, nose and/or throat. Nausea, vomiting, gastric distress.

PRIMARY ROUTES OF ENTRY: Shin/eye contact.

EFFECTS OF SINGLE OVEREXPOSURE: May cause irritation of the skin. May cause nausea, vomiting and/or gastric distress.

Swallowing: nausea, vomiting, gastric distress.

Skin Absorption: May cause skin irritation. May cause allergic skin reactions in some individuals.

Inhalation: May cause irritation of the nose and throat.

EFFECTS OF REPEATED OVEREXPOSURE: Repeated or prolonged exposure may cause skin irritation, nausea, vomiting and/or gastric distress.

OTHER EFFECTS OF OVEREXPOSURE: None known

EXISTING MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:

Swallowing: Call a physician or poison control center. Do not induce vomiting.

Skin: Wash affected area with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing separately.

Eyes: Hold eyelids open and flush with a steady stream of water for at least 15 minutes. **GET MEDICAL ATTENTION.**

Inhalation: Remove victim to fresh air. If not breathing, administer artificial respiration. **GET MEDICAL ATTENTION.**

NOTE TO PHYSICIAN: Treat symptomatically.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Dike the area using absorbent or materials such as sand or clay. Recover and contain as much product as possible using absorbent. Clean spill area using a solution of water and detergent. Collect and contain wash water and all contaminated absorbent for disposal. If spilled on the ground, the affected area should be excavated to a depth of 1-2 inches. Prevent the spilled product or washings from reaching public sewers or waterways. Wear appropriate protective equipment during the cleanup. Ensure that tools and equipment are adequately decontaminated.

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry area away from sources of heat or ignition.

VIII. SPECIAL PROTECTION INFORMATION

PROTECTIVE EQUIPMENT SHOULD BE USED DURING THE FOLLOWING PROCEDURES:

- manufacture or formulation of this product.
- Repair and maintenance of contaminated equipment.
- Clean up of leaks and spills.
- Any other activity that may result in hazardous exposures.

RESPIRATORY PROTECTION: If misting conditions exist, use NIOSH/MSHA approved respirator for organic vapors.

VENTILATION: Local exhaust

PROTECTIVE CLOTHING: Chemical resistant gloves, coveralls, apron and foot coverings.

EYE PROTECTION: Safety goggles

USER SAFETY RECOMMENDATIONS: Safety showers and eye wash should be easily accessible.

IX. REGULATORY STATUS

TSCA INVENTORY STATUS:

TRANSPORTATION STATUS:

DOT INFORMATION: Not regulated

SARA TITLE III

Section 302-304 (40 CFR 350): Not given

Extremely Hazardous Substance (EHS): No ingredients listed

Section 312, Reporting (40 CFR 370):

SARA/OSHA Hazardous Chemical Reporting Quantity: 10,000 pounds

Section 313, Toxic Chemicals: None listed

Reportable Quantity (RQ):

RCRA HAZARDOUS WASTE: Not listed (may be characteristic waste).

International Right-To-Know Regulations:

X. REFERENCES

- 1) supplier sponsored studies.

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