

MATERIAL SAFETY DATA SHEET

JAD Global
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General Information No. 847-446-7500
In Case of Emergency, Call 800-424-9300

I. PRODUCT IDENTIFICATION

Product Name: Invigorate

II. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Proprietary alcohol ethoxylate and fatty acid esters blend	Proprietary	100

III. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Contact with eyes may cause irritation. Contact with skin may cause irritation. This product may cause irritation of respiratory tract. Inhalation of vapors or mists of the product may be irritating to the respiratory system. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

IV. FIRST AID MEASURES

If in eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If on skin or clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Wash clothing separately before reuse.
If Inhaled:	If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
If swallowed:	If ingestion of a large amount does occur, seek medical attention. Do NOT induce vomiting. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

V. FIRE FIGHTING MEASURES

Flammable properties:	Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material. Vapors may form explosive mixtures with air.
Flashpoint:	>201°F (>93.9°C)
Extinguishing media:	Water fog. Foam. Dry Chemical powder. Carbon dioxide (CO ₂).
Protective equipment and precautions:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.
Environmental precautions:	Prevent further leakage or spillage if safe to do so.

Methods for containment:

Methods for cleaning up:

Prevent entry into waterways, sewers, basements or confined areas.

Eliminate ignition sources including sources of electrical, static or frictional sparks. Wear appropriate protective equipment and clothing during clean-up. **Small spills:** Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place into a container for later disposal. **Large spills:** Dike far ahead of liquid spill for later disposal.

VII. HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes. Wash hands thoroughly after handling material.

Storage:

Store in cool place. Keep in a well-ventilated place. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:

Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal Protective Equipment (PPE)

General:

Eye wash fountain and emergency showers are recommended.

Eye/ face protection:

Wear chemical goggles. Face-shield.

Skin protection:

Wear suitable protective clothing. Use impervious gloves.

Respiratory protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate MSHA/NIOSH respiratory protection must be provided.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical description:

Clear/Hazy liquid

Color:

Pale straw

Odor:

Alcoholic

Boiling Point:

> 212° F (> 100° C) estimated

Flashpoint:

>201°F (>93.9°C)

Specific Gravity:

0.954 g/ml @ 25° C

Pour Point:

16° F (-8.9° C)

Viscosity:

25 cps @ 77° F (25° C)

pH:

5.9 (5% in 1:1 IPA/H₂O)

X. STABILITY AND REACTIVITY

Chemical stability:

Stable at normal conditions.

Conditions to avoid:

Heat, flames and sparks. Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.

Incompatibility with other materials:

This product may react with strong alkalies. Strong oxidizing agents.

Hazardous decomposition products:

Alcohols.

Hazardous polymerization:

Will not occur.

XI. DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

XII. REGULATORY INFORMATION

Reportable Quantity: There is no calculable reportable quantity (RQ) for this product.
 CERCLA (Superfund) quantity: Reporting not required
 Superfund Amendments and Reauthorization Act of 1986 (SARA)
 Section 302 extremely hazardous substances: No
 Section 311 hazardous chemical: No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States and Puerto Rico	Toxic Substance Control Act (TSCA) Inventory	Yes

*A "Yes" indicated that all components of this product comply with the inventory requirements administered by the governing country(s).

State regulations: California Proposition 65
 WARNING: This product may contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm: ethylene oxide (75-21-8).

HMIS ratings
 Health: 1
 Flammability: 1
 Physical hazard: 0
 Personal Protection: X

NFPA ratings
 Health: 1
 Flammability: 1
 Instability: 0

XIII. OTHER INFORMATION

DISCLAIMER: The information presented herein is based on available data from reliable sources and is correct to the best of JAD Global, Inc.'s knowledge. JAD Global, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions.