

Material Safety Data Sheet

1. Product and Company Identification

Effective Date: 02-01-2006

Revision: 01

Energize, Oxy-Kleer & Scorch Plus SPECTRUM SHOCK PLUS

Principal Use: Oxidizing agent

Description: White granules

N. Jonas and Co., Inc.

4520 Adams Circle

P.O. Box 425

Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents, call CHEMTREC at (800) 424-9300.

2. Composition/Information on Ingredients

<u>Ingredients:</u>	<u>%(w/w)</u>	<u>OSHA PEL</u>
Persulfate mixture	--	Particulates (Not Otherwise Classified) 15 mg/m ³ , total dust 5 mg m ³ , respirable dust
Buffer compound	--	Not listed

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

3. Hazards Identification

Emergency Overview

Appearance:

White granules

Physical Hazards:

None

Health Hazards:

May cause irritation to eyes, skin and respiratory tract.

* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

Potential Health Effects:

General:

Limited toxicity data are available on this specific preparation. This health hazard assessment is based on information that is available on the properties of its components.

Ingestion:

Relative to other materials, this product is classified as "slightly toxic" by ingestion.

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Eye Contact:

This product will severely irritate human eyes following contact.

Skin Contact:

This material may severely irritate human skin following contact. One ingredient may be a sensitizer in allergic persons. However, the potential is low for developing sensitization following contact of this product with human skin,

Skin Absorption:

This product will probably not be absorbed through human skin.

Inhalation:

Dust of this product will probably irritate mucous membrane and upper respiratory tract

4. First Aid Measures:

First Aid - Eyes:

Immediately flush eyes with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel.

First Aid - Skin:

Wash material off the skin with soap and water. If redness, itching or a burning sensation develops, get medical attention.

First Aid - Ingestion:

Do not induce vomiting. Give 1 or 2 glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel. Never give anything by mouth to an unconscious person.

First Aid - Inhalation:

Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

5. Fire Fighting Measures

Flashpoint and Method:

Will not flash.

Autoignition Temperature:

Not applicable

Explosive Limits:

Not applicable

General Hazards:

Product will release oxygen when heated, intensifying a fire. Do not use carbon dioxide or other gas-filled fire extinguishers. They have no effect on decomposing material.

Fire Fighting Instructions:

Deluge with water.

Fire Fighting Equipment:

Wear self-contained breathing apparatus with full facepiece and protective clothing if

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involved in a fire with other materials.

Hazardous Combustion Products:

Releases oxygen gas.

6. Accidental Release Measures

Spill Measures:

Avoid contact of powder with skin and eyes. Sweep up material and shovel into a suitable dry container. If possible, use material in accordance with label directions immediately. Do not let the material contact moisture while in the container. Rinse spill area with low pressure stream of water.

7. Handling and Storage

Handling:

Avoid contact of powder with skin and eyes. Avoid breathing dust. Keep container tightly closed.

Storage:

Store in a cool, well-ventilated place away from heat sources such as light fixtures or space heaters. Leave open space on all sides of each pallet to provide ventilation. Keep packages dry. Do not store with combustible or incompatible materials.

8. Exposure Controls/Personal Protection

Exposure Guidelines:

No ACGIH TLV or OSHA PEL assigned to this mixture. Minimize exposure in accordance with good industrial hygiene practice.

Engineering Controls:

Use ventilation adequate to maintain safe levels. Provide eyewash station and safety shower in work area.

Respiratory Protection:

If needed, use MSHA-NIOSH approved respirator for dusts, mists and fumes whose TLV is greater than 0.05 mg/m³.

Protective Clothing:

Gloves, apron and arm covers to avoid skin contact.

Eye Protection:

Chemical tight goggles.

9. Chemical and Physical Properties

Appearance: White granules

Boiling Point: Not applicable

Vapor Pressure: Nil

Vapor Density: No data

Solubility in Water: Soluble

pH: 6.5 - 7.0

Specif. Grav./Density: 1.1 - 1.4

% Volatile: No data

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10. Stability and Reactivity

Stability:

Stable under normal conditions.

Incompatibility:

This product should not be mixed with any other chemical product. Mixing with compounds containing halides or active halogens can cause release of the respective halogens if moisture is present. For example, mixing with sodium dichloroisocyanurate or with sodium chloride can cause release of chlorine gas.

Hazardous Decomposition Products:

Releases oxygen gas.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information

Possible Human Health Effects:

Inhalation:

Dust of this product will probably irritate mucous membrane and upper respiratory tract

Skin Contact:

This material may severely irritate human skin following contact. One ingredient may be a sensitizer in allergic persons. However, the potential is low for developing sensitization following contact of this product with human skin,

Eye Contact:

This product will severely irritate human eyes following contact.

Ingestion:

Relative to other materials, this product is classified as "slightly toxic" by ingestion.

Other Effects of Overexposure:

By ingestion, the administration of a large single dose produced nonspecific effects such as weight loss and irritation as well as gastric ulceration, necrosis and hemorrhage.

Note to Physician:

Not applicable

12. Ecological Information

This product is completely soluble in water. Care should be taken to minimize release of undiluted product into the environment.

13. Disposal Consideration

Disposal Method:

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Container Disposal:

Empty container retains product residue. Remove all product residue from container and puncture or otherwise destroy container before disposal.

14. Transport Information

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DOT Hazard Description:

Not regulated

15. Regulatory Information

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are listed on the TSCA Chemical Substances Inventory.

CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

California Proposition 65:

None

16. Other Information

The information herein is given in good faith, but no warranty, expressed or implied, is made.

HMIS and NFPA Ratings

<u>Hazard:</u>	<u>HMIS Ratings:</u>	<u>NFPA Ratings:</u>
<u>Health:</u>	2	2
<u>Flammability:</u>	0	0
<u>Reactivity:</u>	1	1

HMIS and NFPA Hazard Rating Codes:

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Severe

NOTE: These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions.