

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Sapphire Scientific Solvent Booster
Formula Code K1.88.2
Supplier Sapphire Scientific
2604 Liberator
Prescott, AZ 86301 US
Phone: 1-800 932-3030 Emergency: 1-800 535-5053

2. Hazards Identification

Threshold Limit Value - Product (See Section 3 for Ingredient TLV) None Established

Primary Routes of Exposure

Eye - yes Skin-Not Established Oral-yes Inhalation-yes Other N/A

Signs and Symptoms of Over-exposure (Acute): EYES: Vapors and mists may irritate the eyes. Inhalation of higher concentration may cause headaches.

Signs and Symptoms of Over-exposure (Chronic): No specific information available.

Medical Conditions Aggravated by Over-exposure: Persons with pre-existing skin disorders, eye problems, impaired respiratory function may more susceptible to effects.

Carcinogens or Suspect Carcinogen Ingredients: NTP- NO IARC-NO OSHA-NO NONE

3. Composition / Information on Ingredients

Chemical Name/Common Name:	CAS No.	PERCENT (optional)	TLV (Source)
d-Limonene VOC = 790 g/Liter	5989-27-5	>70%	none established
Isopropylamine Dodecylbenzene sulfonate	68649-00-3		

4. First Aid Measures

Eyes: Flush with immediately with lots of running water for at least 15 minutes holding eyelids open. Get medical attention.

Skin: Wash skin with soap and water. Remove contaminated clothing & shoes.

Ingestion: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep victims head below his hips to prevent his breathing vomitus into his lungs. Call physician or poison control center immediately. Treat symptomatically.

Inhalation: Get to fresh air

5. Fire Fighting Measures

Flash Point (TC.C.): 115 F Flammable Limits: Lower: 0.7% Upper: 6.1%

Extinguishing Media: Foam, Alcohol Foam, CO2, dry chemical, water fog

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and full protective clothing. Use Water spray to cool nearby containers and structures exposed to fire.

Unusual Fire and Explosion Hazards: Extinguish all nearby sources of ignition because vapors may be moved by air currents.

6. Accidental Release Measures

Steps to be Taken if Released or Spilled: EXTINGUISH All ignition SOURCES. For small spills, mop or wipe up and contain. For large spills, contain by diking with absorbent material and contain. Keep material out of sewers, storm drains, surface waters, & soils.

Waste Disposal Methods: Note that the contaminates of the product must be consider when disposing. Consult appropriate Federal, State and Local regulatory agencies to

ascertain proper disposal procedures and comply with them

7. Handling and Storage

Precautions to be taken in handling and storage: KEEP AWAY FORM HEAT, SPARKS AND FLAMES. Store in a cool, dry well ventilated place away from incompatible materials. Keep container tightly closed when not in use. Do not use pressure to empty container.

8. Exposure Controls/ Personal Protection

Respiratory Protection: not normally required

Ventilation Requirements: Adequate ventilation required. Mechanical required if necessary to maintain exposure below PEL.

Protective Gloves: Wear resistant gloves if excessive exposure is anticipated.

Eye Protection: Not normally required. Recommended if used overhead or misting or spraying.

Other Protective Clothing: Where gross eye and skin contact may occur use and wear appropriate protective clothing, including resistant clothing, rubber boots with pants on the outside, and rubber gloves.

9. Physical and Chemical Properties

Boiling Point: (F) 348

Specific Gravity: (H₂O = 1.0) 0.8

pH: N/A

Solubility In Water: Emulsifiable (or dispersible)

Vapor Density: Heavier than air

Evaporation Rate (Vs ether) Slower

Vapor Pressure: (mm Hg) 2 (at 20C)

Appearance and Odor: Orange color and orange fragrance

10. Stability and Reactivity

Stability: Stable

Incompatibility: Strong oxidizers

Hazardous Decomposition Products: may liberate carbon dioxide or carbon monoxide.

Other Information

Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date 4/29/2010

Expiry date 4/29/2013