SAFETY DATA SHEET
Super-Solv

Revision: 04/01/2015

1. Product and Company Identification

Product Code: BS-X

Product Name: Super-Solv

Company Name: Crest Industries, Inc.
1337 King Road
Trenton, MI 48183

Phone Number: (734)479-4141

Web site address: crestauto.com

Emergency Contact: Chemtel (800)255-3924
International Calls (813)248-0585

Stock Number(s): BS-X, BSX-01, BSX-05

2. Hazards Identification

Aspiration Toxicity, Category 1
Germ Cell Mutagenicity, Category 1B
Carcinogenicity, Category 1B
Acute Toxicity: Inhalation, Category 4
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 2
Aquatic Toxicity (Acute), Category 2
Aquatic Toxicity (Chronic), Category 2
Flammable Liquids, Category 2
Serious Eye Damage/Eye Irritation, Category 2A

GHS Signal Word: **Danger**

GHS Hazard Phrases:
H225 - Highly flammable liquid and vapor.
H304 - May be fatal if swallowed and enters airways.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H340 - May cause genetic defects .
H350 - May cause cancer .
H401 - Toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

GHS Precaution Phrases:
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P281 - Use personal protective equipment as required. P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P281 - Use personal protective equipment as required.

GHS Response Phrases:
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 - Do NOT induce vomiting.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P332+313 - If skin irritation occurs, get medical advice/attention.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 - If eye irritation persists, get medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P363 - Wash contaminated clothing before reuse.
P370+378 - In case of fire, use carbon dioxide, dry chemical powder, or appropriate foam to extinguish.

GHS Storage and Disposal Phrases: P405 - Store locked up.
P403+235 - Store in cool/well-ventilated place.
P501 - Dispose of contents/container to an approved treatment/storage/disposal facility in accordance with local/regional/national and international regulations.

Potential Health Effects (Acute and Chronic):

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
8032-32-4	Petroleum ether	55.00 - 65.00 %
1330-20-7	Xylene (mixed isomers)	20.00 - 30.00 %
100-41-4	Ethylbenzene	3.000 - 9.000 %
67-63-0	Isopropyl alcohol	10.00 - 15.00 %

4. First Aid Measures

Emergency and First Aid Procedures: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Consult a physician.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash off with soap and plenty of water. Wash clothing before reuse.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: Potential for aspiration if swallowed. Get medical aid immediately. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward. Do NOT induce vomiting. Rinse mouth with water.

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: > -20.0 C (-4.0 F) Method Used: Estimate

Explosive Limits: LEL: .9 UEL: 12.7

Autoignition Pt: > 250 C (482 F)

Suitable Extinguishing Media: Water may be ineffective. Use dry chemical, carbon dioxide, or appropriate foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Containers may explode in the heat of a fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire.

Flammable Properties and Hazards:

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental Precautions: Do not let product enter drains.

Steps To Be Taken In Case Material Is Released Or Spilled: Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool. Control runoff and isolate discharged material for proper disposal.

7. Handling and Storage

Precautions To Be Taken in Handling: Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharges. Keep away from heat, sparks and flame. Do not ingest or inhale. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Ground and bond containers when transferring material. Keep container tightly closed. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Precautions To Be Taken in Storing: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
8032-32-4	Petroleum ether		TLV: 300 ppm	
1330-20-7	Xylene (mixed isomers)	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	
100-41-4	Ethylbenzene	PEL: 100 ppm	TLV: 100 ppm STEL: 125 ppm	
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	

Respiratory Equipment (Specify Type):	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. Gloves must be inspected prior to use. Wash and dry hands. Material: Nitrile rubber. Minimum layer thickness: 0.4 mm Break through time: 480 min. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Environmental Exposure Controls:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. Physical and Chemical Properties

Physical States:	[ ] Gas [X] Liquid [ ] Solid
Appearance and Odor:	Clear. solvent odor.
Melting Point:	-95.0 C (-139 F)
Boiling Point:	80.0 C (176 F) - 140 C (284 F)
Flash Pt:	> -20.0 C (-4.0 F) Method Used: Estimate
Evaporation Rate:	
Flammability (solid, gas):	
Explosive Limits:	LEL: .9 UEL: 12.7
Vapor Pressure (vs. Air or mm Hg):	
Vapor Density (vs. Air = 1):	
Specific Gravity (Water = 1):	
Density:	~ 0.86 G/ML
Solubility in Water:	
Percent Volatile:	
Autoignition Pt:	> 250 C (482 F)

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

Conditions To Avoid - Instability: Incompatible materials, ignition sources, Heat, flames and sparks.

Incompatibility - Materials To Avoid: Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon monoxide, Other decomposition products:

Possibility of Hazardous Reactions: Will occur [ ] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: Vapors may form explosive mixture with air.

11. Toxicological Information

Toxicological Information:

Sensitization: No data available.

Carcinogenicity/Other Information: CAS# 8032-32-4: ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans.
California: Not listed.
NTP: Not listed.
IARC: Not listed. IARC: 3 -Group 3: Not classifiable as to its carcinogenicity to humans.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. California: carcinogen, initial date 6/11/04.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
8032-32-4	Petroleum ether	n.a.	n.a.	A3	n.a.
1330-20-7	Xylene (mixed isomers)	n.a.	3	A4	n.a.
100-41-4	Ethylbenzene	n.a.	2B	A3	n.a.
67-63-0	Isopropyl alcohol	n.a.	3	A4	n.a.

12. Ecological Information

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed. Product.
Contact a licensed professional waste disposal service to dispose of this material.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Compounds, cleaning liquid. (Xylene (mixed isomers), Ethylbenzene)
DOT Hazard Class: 3 FLAMMABLE LIQUID
UN/NA Number: NA1993 **Packing Group:** II

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name:
UN Number: 1993 **Packing Group:** II
Hazard Class: 3 - FLAMMABLE LIQUID **TDG Classification:**

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
8032-32-4	Petroleum ether	No	No	No
1330-20-7	Xylene (mixed isomers)	No	Yes 100 LB	Yes
100-41-4	Ethylbenzene	No	Yes 1000 LB	Yes
67-63-0	Isopropyl alcohol	No	No	Yes

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[X] Yes [ ] No Acute (immediate) Health Hazard
[X] Yes [ ] No Chronic (delayed) Health Hazard
[X] Yes [ ] No Fire Hazard
[ ] Yes [X] No Sudden Release of Pressure Hazard
[ ] Yes [X] No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
8032-32-4	Petroleum ether	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 0206; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
1330-20-7	Xylene (mixed isomers)	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: CMR, Part 5; NC TAP: Yes; NJ EHS: Yes - 2014; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
100-41-4	Ethylbenzene	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory, 4 Test; CA PROP.65: Yes; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes; NJ EHS: Yes - 0851; NY Part 597: Yes; PA HSL: Yes - E; SC TAP: Yes; WI Air: Yes
67-63-0	Isopropyl alcohol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1076; NY Part 597: No; PA HSL: Yes - E; SC TAP: No; WI Air: No

16. Other Information

Revision Date: 04/01/2015

Additional Information About This Product:

Company Policy or Disclaimer: The information contained in this SDS is believed to be accurate and reliable as of the date indicated. Crest Industries, Inc. assumes no legal responsibility and makes no representation, warranty or guarantee, expressed or implied, as to the completeness or accuracy of the information. It is offered solely for your consideration, investigation and verification. The user is ultimately responsible for the safe use of the material in accordance with applicable federal, state, provincial and local laws and regulations.