

SPECIAL FIREFIGHTING PROCEDURES

Wear positive-pressure, self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

No unusual fire or explosion hazards are known for this product. As typical of closed containers containing liquid, they may explode when exposed to extreme heat.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID
Excessive heat.

INCOMPATIBILITY (MATERIALS TO AVOID)

Oxidizing material. Hydrofluoric acid is incompatible with the silica(s) in this product.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Combustion products: carbon dioxide, carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

50 90 PRODUCT NAME: BREAKTHROUGH SATIN WROUGHT IRON BLACK

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Vapors of this material may irritate nose, throat, and respiratory passages. Higher concentrations can induce headache, dizziness, nausea, drowsiness, and shortness of breath. Sneezing and dryness of mucous membranes.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN CONTACT: No irritation is likely to develop following short contact periods with human skin. Prolonged or repeated exposure can lead to redness, swelling and necrosis.

EYE CONTACT: This material can induce pain and moderate irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Adverse systemic effects can develop following repeated/prolonged contact with human skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Headache, nausea, drowsiness, fatigue. A single dose of this product is moderately toxic by ingestion.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Inhalation of high concentrations of vapor can induce anemia, liver and kidney injury and clouding of the cornea.

The silica(s) contained in this product can have the following effects:

ACUTE: Can cause upper respiratory irritation.

CHRONIC: Prolonged overexposure by inhalation may cause delayed lung injury/disease (silicosis). Take appropriate measures to avoid breathing dust.

CARCINOGENICITY INFORMATION, UNDER PROPOSITION 65 - STATE OF CALIFORNIA:

Carbon black is a chemical known to the state of California to cause

cancer.

CARCINOGENICITY:

NTP CARCINOGEN: Yes IARC MONOGRAPHS: Yes OSHA REGULATED: No
The International Agency for Research on Cancer (IARC) has concluded:
Silica (quartz) can cause cancer based on animal data. (Risk from
silica(s) depends on duration and level of exposure.) IARC has rated the
silica(s) in this product Level 1. Carbon black is a possible human
carcinogen rating it Level 2B.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Dermatitis. Pulmonary and/or pre-existing upper respiratory and lung
diseases.

EMERGENCY AND FIRST AID PROCEDURES

SKIN: Remove contaminated clothing and footwear. Wash material off skin
with soap and water. If redness, itching or a burning sensation
develops, get medical attention. Wash contaminated clothing and
decontaminate footwear before reuse.

EYES: Immediately flush with water for at least 15 minutes and have eyes
examined and treated by medical personnel.

INGESTION: Give 1 or 2 glasses of water to drink. Induce vomiting.
Refer victim to medical personnel.

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

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====
50 90 PRODUCT NAME: BREAKTHROUGH SATIN WROUGHT IRON BLACK

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Dike and contain spill with inert materials (sand, clay, earth, etc.).
Transfer the liquid to containers for recovery or disposal. Keep spill
out of sewers and open bodies of water.

WASTE DISPOSAL METHOD

Dispose of in accordance with all local, state, and federal
requirements.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep from freezing. Keep away from heat and open flame. Avoid
breathing vapor. Avoid contact with eyes, skin and clothing. Use with
ventilation adequate to maintain vapor concentration below the TLV.
Containers of product may be hazardous when emptied--all hazard
precautions must be observed. KEEP OUT OF REACH OF CHILDREN!

OTHER PRECAUTIONS

Hazardous ingredients notated in Section II as "subject to Sec. 313" are
subject to reporting requirements under Section 313 of the Emergency
Planning & Community Right-to-Know Act of 1986 and of 40 CFR 372. This
information must be included on all MSDS's that are copied and
distributed for this product.

===== SECTION VIII - CONTROL MEASURES =====
50 90 PRODUCT NAME: BREAKTHROUGH SATIN WROUGHT IRON BLACK

RESPIRATORY PROTECTION

Where adequate ventilation is maintained, the use of respiratory

equipment is not necessary. However, if the TLV of the product or any component is exceeded, use a MSHA-NIOSH approved respirator.

VENTILATION

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

PROTECTIVE GLOVES

For repeated contact, use impervious gloves.

EYE PROTECTION

Chemical goggles are not required when adequate ventilation is maintained. Use goggles if eye discomfort is experienced.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

To prevent repeated or prolonged skin contact, wear impervious clothing and shoes.

WORK/HYGIENIC PRACTICES

Remove contaminated clothing immediately. Wash skin area with soap and water. Launder clothes before reuse.

===== SECTION IX - DISCLAIMER =====

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originated with Vanex or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.