



MATERIAL SAFETY DATA SHEET

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1. PRODUCT IDENTIFICATION

PRODUCT NAME: X-thane Orange 02
CHEMICAL FAMILY: Pigmented paste

2. HAZARDS IDENTIFICATION

HMS RATINGS: (0=Minimal; 1=Slight; 2=Moderate; 3=Serious; 4=Severe; *=Chronic)

HEALTH	1	FLAMMABILITY	1	REACTIVITY	0
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ROUTES OF ENTRY: Skin and eye contact. Inhalation.

ACUTE HEALTH HAZARDS:

- INHALATION** - May cause respiratory irritation.
- SKIN** - May cause dermal irritation.
- EYE** - May cause mild irritation to eyes.
- INGESTION** - No harmful effects reported.

CHRONIC HEALTH HAZARDS: None known.

CARCINOGENICITY:

NTP (National Toxicology Program)	No
IARC (International Agency for Research on Cancer)	No
OSHA REGULATED	No

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no reportable hazardous ingredients.
This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding.

4. FIRST AID MEASURES

INHALATION: Respiratory problems not expected but if breathing becomes difficult remove to fresh air and provide oxygen by qualified personal. Seek medical attention.

SKIN: Remove all contaminated clothing and shoes. Wash skin thoroughly with soap and water for at least 15 minutes. Wash clothing before wearing again. Clean shoes before wearing again. If irritation develops or persists, consult a physician.

EYE: Flush with large amounts of water for at least 15 minutes, using fingers to hold eyelids open to insure that the eyes are being irrigated. Consult a physician.

INGESTION: Contact a physician.

NOTE TO PHYSICIAN: Flush eyes immediately with large amounts of water for at least 15 minutes. Flush under both upper and lower lids. Seek medical aid. Wash skin with soap and water. If irritation develops, seek medical aid. Wash contaminated clothing before reuse. If inhaled, remove person to fresh air and aid in breathing if necessary. Seek medical aid. If ingested, seek medical aid.

5. FIRE FIGHTING MEASURES

FLASH POINT: 355°F
FLAMMABLE LIMITS: LEL (Lower Explosion Limit): Not established.
UEL (Upper Explosion Limit): Not established.

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical. Water may be ineffective.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area. Fight fire from a safe distance. Fire-fighters should wear full emergency equipment with NIOSH-approved self-contained breathing apparatus and full protective equipment. Use cold water spray to cool fire-exposed containers to minimize risk of rupture. Exercise caution when using water or foam as frothing may occur.

UNUSUAL FIRE & EXPLOSION HAZARDS: No known unusual hazards in a fire/explosion situation.

6. ACCIDENTAL RELEASE MEASURES

- Wear appropriate safety equipment.
- Eliminate all ignition sources.
- Contain and clean up spill immediately.
- Prevent from entering floor drains.
- Contain liquids using absorbents.
- Vacuum or sweep powders carefully to minimize dusting. Shovel all spilled materials into disposal drums and follow disposal instructions.
- Scrub spill area with detergent and flush with copious amounts of water.
- Always dispose of in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Wash thoroughly after handling. Wash contaminated clothing before reuse. Avoid excessive inhalation of vapors that might be generated. Avoid contact with eyes, skin and clothing. Do not ingest. Keep away from food and feed products. Good housekeeping required.

If used in dry form, use proper grounding techniques when emptying contents from package. Failure to use proper grounding techniques may result in build-up of hazardous electrostatic charges which could cause flash fire or explosion.

Store in a cool, dry place away from excessive heat and moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Good general ventilation. Ventilation should be matched to conditions. Use local exhaust to control vapor/mist.

RESPIRATORY PROTECTION: Under normal use conditions, with adequate ventilation, no special respiratory protective equipment is required.

SKIN PROTECTION: Chemically resistant, impervious gloves, coveralls, apron, and boots as necessary to prevent skin contact.

EYE PROTECTION: Chemical goggles or safety glasses; face shield if a splashing hazard exists.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety showers and eyewash stations should be readily available and in working condition.

WORK/HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling product and before eating, smoking, using lavatory and at the end of the day. Educate/train employees in safe use of product. Follow all label instructions.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (physical form, color, texture, etc.)	Pigmented paste
ODOR	Faint
VAPOR PRESSURE	Not established
SPECIFIC GRAVITY ($H_2O = 1$)	1.152

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat, flame and other possible ignition sources. Exposure to moisture. Accumulation of static charges. Can create a dust cloud if used in dry form.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents, strong acids, strong alkali (bases) and peroxides. Isocyanates and other materials that react with hydroxyl groups.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide, carbon dioxide, various hydrocarbons. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (if polymerization may occur): Not applicable.

11. TOXICOLOGICAL INFORMATION

Not evaluated at this time.

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: In a licensed, permitted facility, incinerate or landfill as a solid after cementation or encapsulation. Do not discharge into waterways or sewer systems. Spilled material, empty containers and unused contents must be disposed of in accordance with applicable local, state, and federal regulations.

EMPTY CONTAINER PRECAUTIONS: Unclean empty containers should be disposed of in the same manner as the contents. This material is a concentrated colorant. Avoid washing material into sewer systems without proper treatment and authorization by the treatment facility management.

14. TRANSPORTATION INFORMATION

LAND TRANSPORT (DOT): Non-regulated

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STATUS: This product is not considered hazardous as defined under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

RCRA STATUS: To the best of our knowledge, if discarded in its purchased form, this product would not be considered a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether a product meets any of the criteria for a hazardous waste. This is because product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity, and toxicity (40 CFR 261.20-24).

US INVENTORY (TSCA): The ingredients of this product are listed on the TSCA inventory or are not required to be listed.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA), TITLE III:

Sections 301-303 – Emergency Planning - Extremely Hazardous Substances:

None

Section 304 – Emergency Release Notification – Reportable Substances:

None

Section 311/312 – Community Right-to-Know Reporting Requirements - Emergency Hazard Categories:

None

Section 313 – Toxic Chemical Notification & Release Inventory Reporting – Listed Substances:

None

This information must be included in all MSDSs that are copied and distributed for this material.

16. OTHER INFORMATION

PREPARED BY:
APPROVED BY:

ITWC Compliance Dept. (MAA)
ITWC Director of Technical Service (SF)

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MSDS
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