

SAFETY DATA SHEET

STERI-FLAKE 400 TC COMPONENT A

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: STERI-FLAKE 400 TC COMPONENT A

PRODUCT CODE: #STFLK400TCA

PRODUCT USE: Resin component for Methacrylate based coating products.

MANUFACTURER

DUDICK, INC.

1818 MILLER PARKWAY

STREETSBORO, OH, 44241

330-562-1970

24 HR. EMERGENCY TELEPHONE NUMBER

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2. HAZARDS IDENTIFICATION

CLASSIFICATION:

Specific target organ toxicity - single exposure - Respiratory tract irritation - Category 3

Skin Sensitizer - Category 1B

Flammable Liquids - Category 2

Skin Irritant - Category 2

Serious Eye Damage/Eye Irritation - Category 2

GHS LABEL ELEMENTS:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H225 Highly Flammable liquid and vapor

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

PRECAUTIONARY STATEMENTS :

P241 Use explosion-proof electrical/ventilating/lighting/mixing/ equipment.

P370+P378 In case of fire: Use foam, dry chemical, or carbon dioxide for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P501 Dispose of contents/container in accordance with local, regional, and federal regulations.

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P233 Keep container tightly closed.

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P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing vapors/spray.
P264 Wash all contacted body parts thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Chemical Name	Weight %	CAS Number
Methyl methacrylate	45% to 60%	80-62-6
Acrylic polymer	25% to 40%	PROPRIETARY
2-Ethylhexyl acrylate	5% to 10%	103-11-7
methacrylic acid ester	0% to 5%	PROPRIETARY

No further information available for this product.

If CAS number is "proprietary", the specific chemical identity has been withheld by the manufacturer as a trade secret.

4. FIRST AID MEASURES

EYES: In case of contact, immediately flush eyes with plenty of water. Hold eyelids apart during flushing to ensure rinsing of the entire surface of the eye with water. Obtain medical attention if irritation develops or persists. **DO NOT WEAR CONTACT LENSES WHEN USING THIS PRODUCT.**

SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

INGESTION: Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Consult physician or poison center immediately.

INHALATION: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

If breathing is difficult, oxygen should be administered by qualified personnel.

NOTES TO PHYSICIAN: No data available for this product.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Alcohol resistant foam; Carbon Dioxide (CO₂); dry chemical; dry sand; use water to keep containers cool.

UNSUITABLE EXTINGUISHING MEDIA: Do not use high pressure water jet as this may spread the area of the fire.

SPECIFIC HAZARDS IN CASE OF FIRE: Releases flammable vapors below normal ambient temperatures.

When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Flammable vapors may be heavier than air and travel long distances along the ground before igniting and flashing back to vapor source. Move containers from fire area if it can be done without risk. Cool containers with flooding quantities of water until well after fire is out.

Burning may produce noxious and toxic fumes. Incomplete combustion may form carbon monoxide.

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SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTION FOR FIRE FIGHTERS: Wear self-contained breathing apparatus (SCBA) in positive pressure mode and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.

Wear self-contained breathing apparatus and full protective clothing. Shut off ignition sources. No flares, smoking or flames in the area.

ENVIRONMENTAL PRECAUTIONS: Stop leak if you can do so without risk. Use water spray to reduce vapors. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Use non-sparking tools. Flush area with water. Prevent from entering into soil, ditches, sewers, waterways, and/or groundwater.

METHOD AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Eliminate all sources of ignition. All equipment used when handling this product must be grounded. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. Dike large spills and place materials in salvage containers. Water spray may reduce vapor; but may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use only non-sparking tools. Extinguish all ignition sources. Containers must be properly grounded before beginning transfer. Handle empty containers with care; vapor/residue may be flammable. This material may attack some forms of plastics, rubbers, and coatings. Wear recommended personal protective equipment. Observe precautions pertaining to confined space entry. Do not breathe vapors or spray mist.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: Keep container closed when not in use. Ensure there is good room ventilation. Protect material from contamination (refer to Section 10 for incompatibilities). Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container. Do not heat or cut the empty container with electric or gas torch. Do not store in direct sunlight. Keep in the original container at a temperature not exceeding 30 °C (86 °F). Keep away from heat. Keep away from sparks, flames and other sources of ignition. Can polymerize with intense heat release. Fill the container by approximately 90 % only as oxygen (air) is required for stabilisation. With large storage containers make sure the oxygen (air) supply is sufficient to ensure stability.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

EXPOSURE LIMITS

Components	CAS	Limits
Methyl methacrylate	80-62-6	ACGIH TLV; TWA 50 ppm ACGIH TLV; YWA 100 ppm
Acrylic polymer	PROPRIETARY	None established
2-Ethylhexyl acrylate	103-11-7	None established.
methacrylic acid ester	PROPRIETARY	None established

ENGINEERING CONTROLS: Ventilation:

Use local exhaust ventilation, or other engineering controls to maintain airborne levels requirements or guidelines.

General ventilation may not be sufficient.

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Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: If ventilation is inadequate or if irritation or other symptoms are experienced, wear a NIOSH/MHSA approved respirator with organic vapor cartridge.

EYES PROTECTION: Splash-proof chemical goggles.

SKIN PROTECTION: Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Hand protection: Use chemical resistant gloves. Consult glove manufacturer for recommendations.

WORK HYGIENIC PRACTICES: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating. Wash contaminated clothing before reuse.

OTHER USE PRECAUTIONS: The type and degree of personal protective equipment will depend on the specific work operation. Eye wash stations and emergency showers should be available. Inspect and replace personal protective equipment at regular intervals; use professional care in their selection, use and care.

COMMENTS: None.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Varies

FLASH POINT AND METHOD: 10C

AUTO-IGNITION TEMPERATURE: Not Determined.

BOILING POINT/RANGE: 100C

MELTING POINT: Not Determined.

VAPOUR PRESSURE: Not determined.

VAPOUR DENSITY: Heavier than air.

SOLUBILITY: Not determined.

ODOR/THRESHOLD: Ester-like.

LOWER / UPPER FLAMMABLE LIMITS: No data available for this product.

DENSITY: 0.9794

EVAPORATION RATE: Slower than ether.

PARTITION COEFFICIENT: Not determined.

pH: Not Applicable.

DECOMPOSITION TEMPERATURE: Not determined.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is noticeably exceeded, the product may polymerize with heat evolution. Polymerization with heat evolution may occur in the presence of radical forming substances (e.g. peroxides), reducing substances, and/or heavy metal ions. May occur when exposed to excessive heating or contaminated with incompatible materials.

Vapors may form explosive mixture with air.

CONDITIONS TO AVOID: Avoid heat, flame, sparks, and other sources of ignition.

MATERIALS TO AVOID: Peroxides, amines, sulfur compounds, heavy metal ions, alkalis, reducing agents and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal conditions.

Incomplete combustion may generate carbon monoxide, carbon dioxide.

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11. TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE EFFECTS:

EYE CONTACT: May cause eye irritation. Corneal injury is unlikely.

SKIN CONTACT: Has caused allergic skin reactions in humans. Contains component(s) which have demonstrated the potential for contact allergy in mice.

Prolonged contact may cause skin irritation with local redness. Repeated contact may cause skin irritation with local redness.

INHALATION: Inhalation of vapors and/or aerosols in high concentration may cause irritation of respiratory system. Inhalation of aerosol may cause irritation to the upper respiratory tract. May cause nose, throat, and lung irritation.

INGESTION: Ingestion may cause gastrointestinal tract irritation.

TARGET ORGAN: Not classified with regard to specific target organs

CHRONIC EFFECTS: This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. May cause allergic skin reaction, eye disease, skin disorders and allergies.

TOXICITY VALUES: Not determined

12. ECOLOGICAL INFORMATION

PERSISTENCE AND DEGRADABILITY:

Not determined.

BIO-ACCUMULATIVE POTENTIAL:

Not determined.

MOBILITY IN SOIL:

Not determined.

OTHER ADVERSE EFFECTS:

Not known.

ECOTOXICOLOGICAL OTHER INFORMATION:

Not determined.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of according to local, state, and federal regulations through a licensed disposal facility.

14. TRANSPORT INFORMATION

UN NUMBER: 1866

UN PROPER SHIPPING NAME: Resin solution.

TRANSPORT HAZARD CLASS:

3

TRANSPORT HAZARD SUBCLASS:

Not applicable.

PACKING GROUP: II

MARINE POLLUTANT Y/N:

No

SPECIAL PRE-CAUTIONS: None

15. REGULATORY INFORMATION

U.S. REGULATIONS:

All components of this product are listed on or exempt from the TSCA Inventory.

U.S. SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

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FIRE: Yes
PRESSURE GENERATING: No
REACTIVITY: No
ACUTE: Yes
CHRONIC: Yes

313 REPORTABLE INGREDIENTS:
313 REPORTABLE INGREDIENTS

Chemical Name	Weight %	CAS
Methyl methacrylate	50% to 55%	80-62-6

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No data available for this product.

STATE REGULATIONS:

The following chemicals are California Proposition 65 reportable:

Massachusetts Right To Know Components

Chemical Name	CAS
Methyl methacrylate	80-62-6
2-Ethylhexyl acrylate	103-11-7

Pennsylvania Right To Know Components

Chemical Name	CAS
Methyl methacrylate	80-62-6
2-Ethylhexyl acrylate	103-11-7

New Jersey Right To Know Components

Chemical Name	CAS
Methyl methacrylate	80-62-6
2-Ethylhexyl acrylate	103-11-7

OTHER GOVT. REGULATIONS: No other information available

16. OTHER INFORMATION

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