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Material Safety Data Sheet

Transportation Emergency: 1-800-451-8346

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SECTION 1. ----- CHEMICAL IDENTIFICATION -----

CATALOG #: 2122-3-04

NAME: SODIUM 2,2,3,3-TETRAFLUOROPROPIONATE, 50% AQUEOUS SOLUTION

SYNONYMS: 2,2,3,3-TETRAFLUOROPROPIONIC ACID SODIUM SALT * FRENOCK
ORGA 3045 * SODIUM 2,2,3,3-TETRAFLUOROPROPANOATE * FLUPROPANATE
SODIUM TETRAFLUOROPROPIONATE * TASKFORCE * TETRAPION * TFP

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>% COMPOSITION</u>
SODIUM 2,2,3,3-TETRAFLUOROPROPIONATE	22898-01-7	50
WATER	7732-18-5	50

SECTION 3. ----- HAZARDS IDENTIFICATION -----

LABEL PRECAUTIONARY STATEMENTS

CORROSIVE.

CAUSES BURNS.

IRRITANT.

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

SECTION 4. ----- FIRST-AID MEASURES -----

GENERAL ADVICE

CONSULT A PHYSICIAN. SHOW THIS SAFETY DATA SHEET TO THE DOCTOR IN ATTENDANCE. MOVE OUT OF DANGEROUS AREA.

IF INHALED

IF BREATHED IN, MOVE PERSON INTO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, CONSULT A PHYSICIAN.

IN CASE OF SKIN CONTACT

WASH OFF WITH SOAP AND PLENTY OF WATER. CONSULT A PHYSICIAN.

IN CASE OF EYE CONTACT

RINSE THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.

IF SWALLOWED

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. RINSE MOUTH WITH WATER. CONSULT A PHYSICIAN.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

SPECIFIC HAZARDS

NON COMBUSTIBLE MATERIAL. DECOMPOSES ON HEATING EMITTING NOXIOUS OR TOXIC FUMES.

SUITABLE EXTINGUISHING MEDIA

USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

WEAR SELF CONTAINED BREATHING APPARATUS FOR FIRE FIGHTING IF NECESSARY.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

PERSONAL PRECAUTIONS

USE PERSONAL PROTECTIVE EQUIPMENT. SLIPPERY WHEN SPLIT.

ENVIRONMENTAL PRECAUTIONS

DO NOT LET PRODUCT ENTER DRAINS.

METHODS FOR CLEANING UP

USE ABSORBENT. COLLECT AND SEAL IN PROPERLY LABELED CONTAINERS FOR DISPOSAL.

SECTION 7. ----- HANDLING AND STORAGE-----

HANDLING

AVOID CONTACT WITH SKIN AND EYES. AVOID FORMATION OF AEROSOLS.

PROVIDE APPROPRIATE EXHAUST VENTILATION AT PLACES WHERE AEROSOL IS FORMED.

STORAGE

KEEP CONTAINER TIGHTLY CLOSED IN A DRY AND WELL-VENTILATED PLACE.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

RESPIRATORY PROTECTION

WHERE RISK ASSESSMENT SHOWS AIR-PURIFYING RESPIRATORS ARE APPROPRIATE

USE RESPIRATORS AND COMPONENTS TESTED AND APPROVED UNDER APPROPRIATE

GOVERNMENT STANDARDS SUCH AS NIOSH (US) OR CEN (EU).

HAND PROTECTION

HANDLE WITH GLOVES.

EYE PROTECTION

SAFETY GLASSES

SKIN AND BODY PROTECTION

CHOOSE BODY PROTECTION ACCORDING TO THE AMOUNT AND CONCENTRATION OF THE DANGEROUS SUBSTANCE AT THE WORK PLACE.

HYGIENE MEASURES

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE

COLORLESS TO LIGHT YELLOW LIQUID

PHYSICAL PROPERTIES

BOILING POINT: >100 °C
SPECIFIC GRAVITY: 1.48 g/cm³
DECOMPOSITION POINT: 165 - 167 °C

SECTION 10. -----STABILITY AND REACTIVITY -----

STORAGE STABILITY

STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

MATERIALS TO AVOID

STRONG OXIDIZING AGENTS, STRONG ACIDS

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS DECOMPOSITION PRODUCTS FORMED UNDER FIRE CONDITIONS.
HYDROGEN FLUORIDE

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

SIGNS AND SYMPTOMS OF EXPOSURE

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

POTENTIAL HEALTH EFFECTS

INHALATION

MAY BE HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION.

SKIN

MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION.

EYES

CAUSES EYE IRRITATION.

INGESTION

MAY BE HARMFUL IF SWALLOWED.

TOXICITY

ORAL LD50

RATS (10.6-12.0 g/kg);

MICE (9.24 g/kg).

NO OBSERVABLE ADVERSE EFFECTS WERE REPORTED IN RATS FED 5 mg/kg/DAY AND
MICE FED 5.6 mg/kg/DAY FOR THREE MONTHS AND SIX MONTHS RESPECTIVELY

SECTION 12. ----- ECOLOGICAL INFORMATION -----

AQUATIC TOXICITY:

HARMLESS TO AQUATIC ORGANISMS. DO NOT CONTAMINATE WATERWAYS.

TERRESTRIAL:

ORAL LD50

MALE QUAIL: 6.75 g/L

FEMALE QUAIL: 11 g/kg

PERSISTENCE:

HIGHLY SOLUBLE IN WATER AND IMMOBILE IN SOILS PROBABLY DUE TO ADSORPTION
ONTO CLAY SOLS. IT IS RESISTANT TO BIODEGRADATION IN THE SOIL BUT IS READILY
EXCRETED IN ANIMALS. WHEN ADMINISTERED TO RATS IT WAS NOT DETECTED IN
INTERNAL ORGANS AFTER 14 DAYS.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

PRODUCT

OBSERVE ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.
CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF
THIS MATERIAL.

CONTAMINATED PACKAGING

DISPOSE OF AS UNUSED PRODUCT.

SECTION 14. ----- TRANSPORT INFORMATION -----

DOT

UN3265 - HC 8 - PG III

SECTION 15. ----- REGULATORY INFORMATION -----

EU ADDITIONAL CLASSIFICATION

SYMBOL OF DANGER: C, Xi

INDICATION OF DANGER: CORROSIVE. IRRITANT.

R: 34-36/37/38

S: 23-24/25-26-36/37/39-41-45

UNITED STATES REGULATORY INFORMATION

TSCA: LISTED ON TSCA INVENTORY; FOR R&D USE ONLY

SECTION 16. ----- OTHER INFORMATION -----

DISCLAIMER

FOR R&D USE ONLY. NOT FOR DRUG, HOUSEHOLD OR OTHER USES.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO
BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SYNQUEST LABS, INC. SHALL
NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT
WITH THE ABOVE PRODUCT.