

SAFETY DATA SHEET

Date Prepared : 06/29/2005

SDS No : SP RSF A

Date Revised : 03/18/2015

Revision No : 7

Spal-Pro RSF A

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Spal-Pro RSF A

MANUFACTURER

Metzger McGuire Company, Inc
807 Route 3-A
Bow, NH 03304
E-Mail: info@metzgermcguire.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553

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2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Sensitization, Category 1

Environmental:

Acute Hazards to the Aquatic Environment, Category 2
Chronic Hazards to the Aquatic Environment, Category 2

GHS LABEL



Exclamation
mark



Environment

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H317: May cause an allergic skin reaction.
H411: Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT(S)

Prevention:

P261: Avoid breathing mist, vapors and spray.
P273: Avoid release to the environment.
P280: Wear protective gloves, protective clothing, eye protection and face protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P391: Collect spillage.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Di-(methylthio)toluenediamine	10 - 15	106264-79-3
N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine	≤ 10	102-60-3
N,N'-dialkylamino-diphenylmethane	≤ 5	5285-60-9

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Remove contact lenses, if present. Seek medical attention if irritation persists.

SKIN: Wash with soap and water. Seek medical attention if irritation persists.

INGESTION: Do not induce vomiting. Give one or two glasses of water to drink. Never give anything by mouth to an unconscious person. If large amounts are swallowed or if symptoms develop, seek medical attention.

INHALATION: Move person to fresh air.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, foam, dry chemical or carbon dioxide. Do not spray water directly into container due to danger of boilover.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides, nitrogen oxides, and sulfur oxides.

FIRE FIGHTING EQUIPMENT: Exposed firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Isolate the area and prevent entry of unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled product. Absorb with dry chemical absorbent, earth, sand or any other inert material. Place in a chemical waste container.

LARGE SPILL: Isolate the area and prevent entry of unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled product. May be a slipping hazard. Create a dike or trench to contain product. Prevent entry into waterways, sewers, basements or confined areas. Absorb with dry chemical absorbent, earth, sand or any other inert material. Place in a chemical waste container.

SPECIAL PROTECTIVE EQUIPMENT: Wear protective equipment listed in Section 8.

7. HANDLING AND STORAGE

HANDLING: Do not get in eyes, on skin or on clothing. Wash hands before eating, drinking or smoking. Keep container closed when not in use. Do not reseal if contaminated. Keep away from heat and flame.

STORAGE: Store in tightly closed containers in a cool, dry and well-ventilated area. Keep containers tightly sealed.

STORAGE TEMPERATURE: 4.4°C (40°F) Minimum to 37.8°C (100°F) Maximum

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: If used at elevated temperatures or in confined space, ventilation may be required to control mists.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear a face shield and chemical safety glasses or goggles.

SKIN: Wear impervious gloves. Cover exposed skin.

RESPIRATORY: None required in normal use.

WORK HYGIENIC PRACTICES: Avoid eating, drinking or smoking while using this material. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Slightly musty.

APPEARANCE: Liquid of various colors.

FLASH POINT AND METHOD: > 93.3°C (200°F)

AUTOIGNITION TEMPERATURE: Not established.

BOILING POINT: > 148.9°C (300°F)

FREEZING POINT: < 32°C (0°F)

SOLUBILITY IN WATER: Partial.

SPECIFIC GRAVITY: 1.07 to 1.09 (water = 1) at 23.3°C (74°F)

VISCOSITY #1: 1400 to 1700 Centipoise at 23.3°C (74°F)

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable.

CONDITIONS TO AVOID: Moisture and high temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides, nitrogen oxides, and sulfur oxides.

INCOMPATIBLE MATERIALS: Strong acids and strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Di-(methylthio)toluenediamine	1515 mg/kg	> 2000 mg/kg
N,N,N',N'-Tetrakis(2-hydroxypropyl)ethylenediamine	3280 mg/kg	> 2000 mg/kg
N,N'-dialkylamino-diphenylmethane	1400 mg/kg	3090 mg/kg

CARCINOGENICITY

IARC: Not regulated as a carcinogen.

NTP: Not regulated as a carcinogen.

OSHA: Not regulated as a carcinogen.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Di-(methylthio)toluenediamine: LC₅₀ (rainbow trout) 7.3 mg/L/96h; EC₅₀ (Daphnia magna) 0.9 mg/L/48h

COMMENTS: This product is toxic to aquatic organisms and can cause long term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with local, state, provincial or national regulations.

EMPTY CONTAINER: Decontaminate and pass to an approved drum recycler or destroy.

RCRA/EPA WASTE INFORMATION: If discarded in its purchased form, this material is not a RCRA hazardous waste.

GENERAL COMMENTS: The generation of waste should be avoided or minimized whenever possible. Chemical waste, even small quantities, should never be poured into drains, sewers or waterways.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Environmentally hazardous substance, liquid, NOS

TECHNICAL NAME: Aromatic amines

PRIMARY HAZARD CLASS/DIVISION: Class 9

UN/NA NUMBER: UN3082

PACKING GROUP: III

MARINE POLLUTANT #1: Di-(methylthio)toluenediamine

OTHER SHIPPING INFORMATION: In a container 119 gallons or less, this product is not regulated for ground transportation.

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Environmentally hazardous substance, liquid, NOS

TECHNICAL NAME: Aromatic amines

UN/NA NUMBER: UN3082

PRIMARY HAZARD CLASS/DIVISION: Class 9

PACKING GROUP: III

MARINE POLLUTANT #1: Di-(methylthio)toluenediamine

NOTE: Regulated as a marine pollutant. Limited quantity if less than or equal to 5 liters (1.3 gallons).

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Acute, Chronic.

313 REPORTABLE INGREDIENTS: None

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All components are in TSCA inventory.

RCRA STATUS: If discarded in its purchased form, this material is not a RCRA hazardous waste.

16. OTHER INFORMATION

PREPARED BY: L. Priest **Date Revised:** 03/18/2015

COMMENTS:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
EC ₅₀	Median effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC ₅₀	Lethal concentration to 50% of exposed laboratory animals
LD ₅₀	Lethal dose to 50% of exposed laboratory animals
TWA	Time-weighted average
TLV	Threshold limit value
NIOSH	US National Institute of Occupational Safety and Health
NE	Not established
NTP	US National Toxicology Program
OEL	Occupational exposure limit
OSHA	US Occupational Safety Health Administration
PEL	Permissible exposure limit
RQ	Reportable quantity
STEL	Short term exposure limit

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