Material Safety Data Sheet

Preparation Date: 04-Jan-2010 **Revision Date:** 29-Dec-2009 **Revision Number:** 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code F044-0500
Trade Name SKIP-SAF

Contact Manufacturer Tnemec Company, Inc. 6800 Corporate Drive, Kansas City, MO 64120-1372
Emergency Telephone Number 800-535-5053 (INFOTRAC) - TNEMEC REGULATORY DEPT: 816-474-3400

2. HAZARDS IDENTIFICATION

Emergency Overview

DANGER!

FLAMMABLE LIQUID AND VAPOR.
HARMFUL IF INHALED.
HARMFUL OR FATAL IF SWALLOWED.
CAUSES SKIN AND EYE BURNS.
MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA.
MAY CAUSE EYE, SKIN, NOSE, THROAT AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

Potential Health Effects

Principle Routes of Exposure Eye contact, Inhalation, Skin contact.

Acute Effects

Eyes Causes burns.
Skin Causes burns.
Inhalation Irritating to respiratory system.
Ingestion May be harmful if swallowed. Do not induce vomiting: may contain petroleum distillates and/or aromatic solvents. Aspiration may cause pulmonary edema and pneumonitis.

Chronic Effects
NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions Central nervous system. Skin disorders.

Interactions with Other Chemicals Use of alcoholic beverages may enhance toxic effects.

Potential Environmental Effects See Section 12 for additional Ecological information

Target Organ Effects Central nervous system, Eyes, Peripheral Nervous System (PNS), Respiratory system, Skin, Teeth

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Component	CAS-No	Weight %
METHYL N-AMYL KETONE	110-43-0	61.3823
ISOPROPANOL	67-63-0	30.6912
ACETIC ACID	64-19-7	1 - 5
N,N-DIMETHYLANILINE	121-69-7	0.1 - 1

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes.

Skin Contact Wash off immediately with soap and plenty of water.

Ingestion If swallowed, do not induce vomiting. Get medical attention immediately.

Inhalation Move to fresh air. Oxygen or artificial respiration if needed.

5. FIRE-FIGHTING MEASURES

Flammable Properties Flammable.

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Contact with water may cause violent frothing. Use: Carbon dioxide (CO2) - Foam - Dry chemical

Hazardous Decomposition Products Oxides of carbon, hydrocarbons. Oxides of nitrogen. Oxides of sulphur.

Specific Hazards Arising from the Chemical
Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire and/or explosion do not breathe fumes.

Protective Equipment and Precautions for Firefighters
Use water spray to cool unopened containers. In the event of fire, wear self-contained breathing apparatus. Keep away from heat/sparks/open flames/hot surfaces. May cause heat and pressure build-up in closed containers. Solvent vapors are heavier than air and may spread along floors. Flash back possible over considerable distance.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods for Cleaning Up If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

Other Information Not applicable

7. HANDLING AND STORAGE

Handling
Close container after each use. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. If splashes are likely to occur, wear goggles. Wear protective gloves/clothing. Do not burn, or use a cutting torch on, the empty drum. When used in a mixture, read the labels and safety data sheets of all components. Wash thoroughly after handling.

Storage
Keep away from heat, sparks and flame. VAPORS MAY CAUSE FLASH FIRE. Use only in an area containing flame proof equipment. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	Quebec TWAEV	Ontario TWAEV	Mexico OEL (TWA)
METHYL N-AMYL KETONE	TWA: 50 ppm	TWA: 100 ppm TWA: 465 mg/m^3	TWA: 50 ppm TWA: 233 mg/m^3	TWA: 25 ppm TWA: 115 mg/m^3	TWA: 235 mg/m^3 TWA: 50 ppm STEL: 465 mg/m^3 STEL: 100 ppm
ISOPROPANOL	TWA: 200 ppm STEL: 400 ppm	TWA: 980 mg/m^3 TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m^3	TWA: 985 mg/m^3 TWA: 400 ppm STEL: 500 ppm STEL: 1230 mg/m^3	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 980 mg/m^3 STEL: 500 ppm STEL: 1225 mg/m^3
ACETIC ACID	TWA: 10 ppm STEL: 15 ppm	TWA: 25 mg/m^3 TWA: 10 ppm	TWA: 25 mg/m^3 TWA: 10 ppm STEL: 15 ppm STEL: 37 mg/m^3	TWA: 10 ppm TWA: 25 mg/m^3 STEL: 15 ppm STEL: 37 mg/m^3	TWA: 25 mg/m^3 TWA: 10 ppm STEL: 37 mg/m^3 STEL: 15 ppm
N,N-DIMETHYLANILINE	TWA: 5 ppm Skin STEL: 10 ppm	TWA: 5 ppm TWA: 25 mg/m^3 STEL: 50 mg/m^3 STEL: 10 ppm Skin	TWA: 5 ppm TWA: 25 mg/m^3 STEL: 50 mg/m^3 STEL: 10 ppm Skin	TWA: 5 ppm TWA: 25 mg/m^3 STEL: 10 ppm STEL: 50 mg/m^3 Skin	TWA: 5 ppm TWA: 25 mg/m^3 STEL: 10 ppm STEL: 50 mg/m^3

Engineering Measures Ensure adequate ventilation, especially in confined areas

Personal Protective Equipment

Skin Protection Lightweight protective clothing, Apron, Impervious gloves

Eye/face Protection If splashes are likely to occur, wear Goggles.

Respiratory Protection **Use only with adequate ventilation.** Do not breathe dust, vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	19°C / 66.0°F
Boiling Point/Range	48 - 154°C / 118.0 - 309.0°F
Upper Exposure Limits	No information available
Lower Exposure Limits	No information available
Evaporation Rate	No information available
Vapour Pressure	No information available
Vapour Density	No information available
Specific Gravity	.82437
Density	6.86003
VOC Content (lbs/gal)	6.572
% Volatile by Weight	95.8150
% Volatile by Volume	97.0450

10. STABILITY AND REACTIVITY

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Chemical stability Stable.

Conditions to Avoid Heat, flames and sparks.

Incompatible Products Strong oxidizing agents. Bases. Acids.

Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
METHYL N-AMYL KETONE	1670 mg/kg (Rat)	12600 µL/kg (Rabbit)	
ISOPROPANOL	4396 mg/kg (Rat)	12800 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h
ACETIC ACID	3310 mg/kg (Rat)	1060 mg/kg (Rabbit)	11.4 mg/L (Rat) 1 h
N,N-DIMETHYLANILINE	700 mg/kg (Rat)	1770 mg/kg (Rabbit)	5.1 mg/L (Rat) 4 h

Irritation No information available
Corrosivity No information available
Sensitization No information available

Chronic Toxicity

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	ACGIH	IARC	NTP	OSHA	Mexico
ISOPROPANOL		Group 1			

Mutagenic Effects No information available
Reproductive Effects No information available
Developmental Effects No information available
Teratogenicity No information available
Target Organ Effects Central nervous system, Eyes, Peripheral Nervous System (PNS), Respiratory system, Skin, Teeth.
Endocrine Disruptor Information No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

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Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
METHYL N-AMYL KETONE		LC50= 131.0 mg/L Pimephales promelas 96 h		
ISOPROPANOL	EC50 > 1000 mg/L 96 h EC50 > 1000 mg/L 72 h	LC50= 9640 mg/L Pimephales promelas 96 h LC50= 94900 mg/L Pimephales promelas 96 h LC50= 61200 mg/L Pimephales promelas 96 h	EC50 = 35390 mg/L 5 min	EC50 = 13299 mg/L 48 h
ACETIC ACID		LC50= 88 mg/L Pimephales promelas 96 h LC50= 75 mg/L Lepomis macrochirus 96 h	EC50 = 8.8 mg/L 5 min EC50 = 8.8 mg/L 15 min EC50 = 8.8 mg/L 25 min	EC50 = 95 mg/L 24 h

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
N,N-DIMETHYLANILINE	EC50 = 110 mg/L 24 h EC50 = 340 mg/L 96 h	LC50= 52 mg/L Pimephales promelas 96 h LC50 0.183 - 0.186 mg/L Pimephales promelas 96 h	EC50 = 13.6 mg/L 5 min EC50 = 14.6 mg/L 30 min EC50 = 110 mg/L 24 h	EC50 = 5 mg/L 48 h

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Keep container tightly closed. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

DOT Ground Transportation Only. Call TNEMEC Traffic Department - 816-474-3400 for other modes of Transportation.
Proper Shipping Name Paint Related Material, Not Regulated(DOT 49 CFR 173.4) Small Quantities

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not Comply
CHINA	Does not Comply
ENCS	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal Regulations

SARA 313

SARA 311/312 Hazardous Categorization

Chronic Health Hazard	No
Acute Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
ACETIC ACID	5000 lb			X

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
ACETIC ACID	5000 lb	
N,N-DIMETHYLANILINE	100 lb	

U.S. State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
METHYL N-AMYL KETONE	X	X	X		X
ISOPROPANOL	X	X	X		X
ACETIC ACID	X	X	X		X
N,N-DIMETHYLANILINE	X	X	X	X	X

Other International Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
B2 Flammable liquid
E Corrosive material

Component	NPRI
ISOPROPANOL	Part 1, Group 1 Substance; Part 5 Substance
N,N-DIMETHYLANILINE	Part 1, Group 1 Substance

Legend
NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Revision Date: 29-Dec-2009

Revision Summary No information available

HMIS **Health** 0 **Flammability** 0 **Reactivity** 1

Disclaimer
For specific information regarding occupational safety and health standards, please refer to the Code of Federal Regulations, Title 29, Part 1910.
To the best of our knowledge, the information contained herein is accurate. However, neither the Tnemec Company or any of its subsidiaries assume any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

End of MSDS