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MATERIAL SAFETY DATA SHEET

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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Tradename:
3M(TM) ACRYL RED PUTTY PART NUMBER 05966

3M Product ID:
60-9800-0587-4

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name and classification	CAS number	Percentage
TALC	14807-96-6	30 - 60
TOLUENE	108-88-3	10 - 20
EU Hazard Symbols and Risk Phrases: EU - Adaptation 29 (F,Xi, Xn; R:11-38-48/20-Repr.Cat.3;63-65-67)		
N-BUTYL ACETATE	123-86-4	7 - 13
EU Hazard Symbols and Risk Phrases: EU - Adaptation 25 (R:10-66-67)		
MAGNESIUM CARBONATE	546-93-0	1 - 10
NITROCELLULOSE	9004-70-0	5 - 10
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	5 - 10
Regulatory Lists: NTPCARCIN(Anticipated human carcinogen)		
EU Hazard Symbols and Risk Phrases: EU - Adaptation 28 (T; R:Repr.Cat.2;60-Repr.Cat.2;61)		
ROSIN, MALEATED, ESTERS WITH GLYCEROL	68038-41-5	1 - 5
ISOPROPYL ALCOHOL	67-63-0	1 - 5
EU Hazard Symbols and Risk Phrases: EU - Adaptation 26 (F, Xi; R:11-36-67)		
IRON OXIDE	1332-37-2	1 - 5
DOLOMITE	16389-88-1	Less Than 2
BENZENE	71-43-2	0.00202
Regulatory Lists: IARC(Group 1) NTPCARCIN(Known human carcinogen)		
EU Hazard Symbols and Risk Phrases: EU - Adaptation 29 (F,Xi, T; R:11-36-38-Carc.Cat.1;45-Muta.Cat.2;46-48/23-48/24-48/25-65)		

3 HAZARDS IDENTIFICATION

Critical hazards:
Highly Flammable. Toxic. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness. Repeated exposure may cause

skin dryness or cracking. May impair fertility. May cause harm to the unborn child.

4 FIRST-AID MEASURES

Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and shoes before reuse.

Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

Exposure Hazards:

Closed containers exposed to heat from fire may build pressure and explode. Vapours may travel long distances along the ground or floor to an ignition source and flash back.

Hazardous Decomposition:

Toxic vapours, Gases or particulates, Carbon Monoxide, Carbon Dioxide.

Fire-Fighting Procedures:

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Water may be used to blanket the fire. Wear full protective equipment and a self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Refer to other sections of this Material Safety Data Sheet for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

Methods for Cleaning up:

For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Seal the container. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by

qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Contain spill. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

7 HANDLING AND STORAGE

Incompatible Materials/Conditions:

Store away from heat. Store out of direct sunlight. Store away from acids. Store away from oxidising agents.

Ventilation:

Keep container in a well-ventilated area.

Fire Prevention:

Ground containers securely when transferring contents. Wear low static or properly grounded shoes.

Explosion Prevention:

Flammable liquid and vapour. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

Static Prevention:

Avoid static discharge.

Precautions for Safe Handling:

Contents may be under pressure, open carefully. Keep container tightly closed. Avoid contact with oxidising agents.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Avoid eye contact with vapours, mists, or spray. Avoid eye contact with vapours, mists, or spray. The following should be worn alone or in combination, as appropriate to prevent eye contact: Safety glasses with side shields. Indirect vented goggles.

Hand Protection:

The following glove material(s) are recommended: Polyethylene/ethylene vinyl alcohol. Polyvinyl alcohol.

Skin Protection:

Avoid skin contact.

Respiratory Protection:

Avoid breathing of dust created by cutting, sanding, grinding

or machining. Avoid inhalation of vapours, mists or spray. Avoid breathing of dust created by cutting, sanding, grinding or machining. Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half facepiece or fullface air-purifying respirator with organic vapour cartridges and particulate prefilters.

Ingestion:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest. Keep out of the reach of children.

Recommended Ventilation:

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapour, or spray. If ventilation is not adequate, use respiratory protection equipment. Provide appropriate local exhaust for cutting, grinding, sanding or machining.

Exposure Limits:

TALC (14807-96-6)

HSE WEL TWA: 1 mg/m3 Respirable dust OES

TOLUENE (108-88-3)

HSE WEL TWA: 50 ppm; 191 mg/m3 skin OES

HSE WEL STEL: 150 ppm; 574 mg/m3 skin OES

N-BUTYL ACETATE (123-86-4)

HSE WEL TWA: 150 ppm; 724 mg/m3

HSE WEL STEL: 200 ppm; 966 mg/m3

MAGNESIUM CARBONATE (546-93-0)

HSE WEL TWA: 10 mg/m3 Total inhalable dust; 4 mg/m3

Respirable dust

BIS(2-ETHYLHEXYL)PHTHALATE (117-81-7)

HSE WEL TWA: 5 mg/m3

HSE WEL STEL: 10 mg/m3

ISOPROPYL ALCOHOL (67-63-0)

HSE WEL TWA: 400 ppm; 999 mg/m3 skin OES

HSE WEL STEL: 500 ppm; 1250mg/m3 skin OES

BENZENE (71-43-2)

HSE WEL TWA: 1 ppm; (skin)

EEC Exposure Limit EC List 1, Category 1,
Carcinogen

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: Red paste with solvent odour.

pH: Not applicable

Boiling point/boiling range: 35 C

Melting point/melting range: Not determined

Flash point: 8.89 C setaflash

Autoflammability: Not determined

Vapour pressure: 27 psia @ 55 C

Water Solubility: Nil

Specific gravity: 1.51 - 1.56 Water=1

Vapour density: 4.00 Air = 1
Volatile organic compounds: 3.88 lb/gal
Evaporation rate: Not determined
Viscosity: 90,000 - 170,000 centipoise @
23 C
Percent Volatile: 30.4 %

10 STABILITY AND REACTIVITY

Conditions to Avoid:
Sparks and/or Flames.

Materials to Avoid:
None.

Stability and Reactivity:
Stable. Hazardous polymerisation will not occur.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact:
Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:
May be absorbed through skin and cause target organ effects.
Moderate Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

Effects from Inhalation:
May be absorbed following inhalation and cause target organ effects. Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. During grinding, scraping, sanding:
Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

Effects from Ingestion:
May be absorbed following ingestion and cause target organ effects. Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Carcinogenicity:
Contains a chemical or chemicals which can cause cancer.

Reproductive Effects:
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

Other Effects and Information:
Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness. Prolonged or repeated exposure may cause:
Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice. Central Neuropathy: Signs/symptoms may include

irritability, memory impairment, personality changes, sleep disorders, and decreased ability to concentrate.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

Special statements for 2001/58/EC:

A conservative assessment indicates this product presents a low environmental risk. Components released to the environment through use and disposal are expected to have minimal environmental impact.

13 DISPOSAL CONSIDERATIONS

Product as Sold:

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility. Dispose of empty product containers in a sanitary landfill.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.

14 TRANSPORT INFORMATION

UN NUMBER:

UN number: UN1866

UK ROAD/SEA FREIGHT (IMO) CLASSIFICATION:

Substance Identification Number: UN1866

Class: 3.0

Packing Group: II

Proper Shipping Name: Resin solution.

ADR/RID CLASSIFICATION:

Class: 3.0

ADR classification: F1

ICAO/IATA CLASSIFICATION:

Class: 3.0

Sub-Risk: Not applicable

Packing Group: II

Proper Shipping Name: Resin solution.

15 REGULATORY INFORMATION

Disclosable Ingredients:

TOLUENE; N-BUTYL ACETATE; BIS(2-ETHYLHEXYL)PHTHALATE.

Symbol(s):

(F) Flame (Highly Flammable). (T) Skull and Crossbones (Toxic).

Risk Phrases:

(R11) Highly Flammable. (R48/20) Harmful: Danger of serious damage to health by prolonged exposure through inhalation. (R67) Vapours may cause drowsiness and dizziness. (R66) Repeated exposure may cause skin dryness or cracking. (R60) May impair fertility. (R61) May cause harm to the unborn child.

Safety Phrases:

Keep away from sources of ignition - No Smoking. Restricted to professional users. Avoid exposure - obtain special instructions before use. Avoid contact with the skin and eyes. Wear suitable protective clothing and gloves. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16 OTHER INFORMATION

Regulatory Information:

The following UK Regulations as amended may affect the product as supplied: The Chemicals (Hazard Information and Packaging for supply) Regulations, as amended. The Carriage of Dangerous Goods (Classification, Packaging and Labelling) and use of Transportable Pressure Receptacles Regulations 1996, as amended. Carriage of Dangerous Goods by Road regulations, 1996, as amended. The Control of Substances Hazardous to Health Regulations 1999 as amended. The Special Waste Regulations 1996, as amended. The Environmental Protection Act, 1990 The Health and Safety at Work Act, 1974.

Reissue date/Reason for reissue.

Updated section 14.

Intended Use of Product:

A nitrocellulose auto body repair putty designed with good filling, sanding and drying characteristics, for general purpose use in filling pinholes and scratches.

The information on this Data Sheet is based on our experience and is

correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.