



SAFETY DATA SHEET

NITROMORS ALL PURPOSE PAINT & VARNISH REMOVER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: NITROMORS ALL PURPOSE PAINT & VARNISH REMOVER

SUPPLIER: Henkel Consumer Adhesives
Road 5, Winsford Industrial Estate
Winsford
Cheshire CW7 3QY
Tel: 01606 593933
Fax: 01606 863762

2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
WHITE SPIRIT			1-5 %
64742-82-1	265-185-4	Xn ,N R-10, 51/53, 65, 66	
DICHLOROMETHANE			60-100 %
75-09-2	200-838-9	Xn R-40 Carc3	
METHANOL			5-10 %
67-56-1	200-659-6	T ,F R-11, 23/24/25, 39/23/24/25	

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION:

Harmful by inhalation, in contact with skin and if swallowed. Limited evidence of a carcinogenic effect. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Carcinogen Category 3.

Product will cause irritation or pain due to strong defatting action on skin. Will irritate eyes.

4. FIRST AID MEASURES:

GENERAL: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and at rest.

Get prompt medical attention.

INGESTION:

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

SKIN:

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYES:

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:

Fire can be extinguished using: Water spray, fog or mist. Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES:

Avoid breathing fire vapours. Use pressurized air mask if substance is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

UNUSUAL FIRE & EXPLOSION HAZARDS:

May develop highly toxic or corrosive fumes if heated. May form explosive or toxic mixtures with air.

HAZARDOUS COMBUSTION PRODUCTS:

Acrid smoke/fumes of : Carbon dioxide (CO₂). Carbon monoxide (CO). Hydrogen chloride (HCl). Phosgene (COCl₂).

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS:

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Collect with absorbent, non-combustible material into suitable containers. Collect and reclaim or dispose in sealed containers in licensed waste. Clean-up personnel should use respiratory and/or liquid contact protection. In handling of spillage, please also consult the section detailing protective measures. Should be prevented from entering drains. Do not contaminate water sources or sewer. Inform Authorities if large amounts are involved.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment. Wear full protective clothing for prolonged exposure and/or high concentrations.

STORAGE PRECAUTIONS:

Keep in cool, dry, ventilated storage and closed containers. Keep in original container. Keep away from heat, sparks and open flame. Handle and open with care: pressure may occur if the container is stored in warm conditions.

STORAGE CRITERIA:

Misc.hazardous material storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
METHANOL	67-56-1	OES	200 ppm(Sk)	250 ppm(Sk)
DICHLOROMETHANE	75-09-2	MEL	100 ppm	300 ppm

INGREDIENT COMMENTS: OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

PROTECTIVE EQUIPMENT:



VENTILATION: All handling to take place in well ventilated area. Provide adequate general and local exhaust ventilation. Must not be handled in confined space without sufficient ventilation.

RESPIRATORS: Respiratory protection must be used if air concentration exceeds acceptable level. SA, Supplied-air respirator. SCBA, Self-contained breathing apparatus.

PROTECTIVE GLOVES: Use protective gloves. For short term exposure Use protective gloves made of: Polyvinyl chloride (PVC). For longer term exposure wear North Silver Shield Gloves (break through time >8 hours).

EYE PROTECTION: Use approved safety goggles or face shield.

OTHER PROTECTION: Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENIC WORK PRACTICES: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Mobile. Viscous. Liquid.		
COLOUR:	Clear. to Milky.		
ODOUR/TASTE:	Sweet. Chlorinated hydrocarbons.		
BOILING POINT (°C, interval):	~ 40	Pressure:	
DENSITY/SPECIFIC GRAVITY (g/ml):	~ 1.22	Temperature (°C):	20
VAPOUR DENSITY (air=1):	(dichloromethane) 2.93		
VAPOUR PRESSURE:	(dichloromethane) 380 mbar	Temperature (°C):	20
VOLATILITY DESCRIPTION:	Volatile.		
EVAPORATION RATE:	<2% in 30 minutes	Reference:	
VOLATILE BY VOL. (%):	100		
VISCOSITY (interval):	Brookfield ~ 3000 cps	Temperature (°C):	20
SOLUBILITY DESCRIPTION:	Slightly soluble in water. Soluble in: Organic solvents (most).		
SOLUBILITY VALUE (g/100g H2O 20°C):	~ 7		
FLASH POINT (°C):	None	Method:	

10. STABILITY AND REACTIVITY:

STABILITY:	Normally stable. Will decompose on red hot surfaces, in electric arcs or naked flames to evolve predominately hydrochloric acid and a trace of phosgene gas
CONDITIONS TO AVOID:	Avoid heat. Avoid contact with oxidisers or reducing agents.
HAZARDOUS DECOMP. PRODUCTS:	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Phosgene (COCl ₂). Hydrogen chloride (HCl).

11. TOXICOLOGICAL INFORMATION:

TOXIC DOSE - LD 50:	(dichloromethane) 1600 mg/kg (oral rat)
HEALTH WARNINGS:	Gas or vapour is harmful on prolonged exposure or in high concentration. This chemical may cause skin/eye irritation. CNS depressant. INHALATION. Solvent vapours are hazardous and may cause nausea, sickness and headaches. May cause irritation to the respiratory system. Narcotic effect. SKIN CONTACT. Irritating to skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. EYE CONTACT. Irritating to eyes. INGESTION. Swallowing concentrated chemical may cause severe internal injury. Liver and/or kidney damage. Unconsciousness, death.
OTHER HEALTH EFFECTS:	IARC Int. Agency for Cancer Research. Consolidated carcinogen list. Carcinogen Category 3.
ROUTE OF ENTRY:	Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.
TARGET ORGANS:	Central nervous system. Eyes. Heart & cardiovascular system. Kidneys. Liver. Respiratory system, lungs. Skin.
MEDICAL SYMPTOMS:	Extreme irritation of eyes and mucous membranes, including burning and tearing. Dilated pupils. Severe skin irritation. Nausea, vomiting. Unconsciousness, possibly death. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Behavioral changes. Hypotension (low blood pressure).
MEDICAL CONSIDERATIONS:	Skin disorders and allergies. Liver and/or kidney problems. Convulsive disorders, CNS problems. History of smoking.

12. ECOLOGICAL INFORMATION:

LC 50, 96 HRS, FISH mg/l:	193-330 (dichloromethane)
ECOLOGICAL INFORMATION:	Dangerous for the environment if discharged into watercourses.
MOBILITY:	Will sink in aqueous systems. Slightly soluble in water Will evaporate from land spillage.
BIO ACCUMULATION:	Not expected to bioaccumulate.
DEGRADABILITY:	Slowly biodegradable in water. Slowly biodegradable in soil.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	Vent to atmosphere. Dispose of in accordance with Local Authority requirements. Do not allow runoff to sewer, waterway or ground.
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14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:



UN No. ROAD:	2810
UK ROAD TRANSPORT CLASS:	6.1
UK ROAD PACK GR.:	III
ADR CLASS No.:	6.1
ADR CLASS:	Division 6.1:Toxic substances.
ADR ITEM No.:	25(c)
HAZARD No. (ADR):	60 Toxic or slightly toxic substance.
PROPER SHIPPING NAME I:	TOXIC LIQUID,ORGANIC NOS (Contains dichloromethane & methanol)
RID CLASS No.:	6.1
RID ITEM No.:	25(c)
UN No. SEA:	2810
IMDG CLASS:	6.1
IMDG PAGE No.:	136 (2000 Edition Volume 2)
IMDG PACK GR.:	III
EmS No.:	6.1-02
MARINE POLLUTANT:	No.
UN No., AIR:	2810
ICAO CLASS:	6.1
AIR PACK GR.:	III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



CONTAINS METHANOL
DICHLOROMETHANE

RISK PHRASES:	R-20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R-40 Limited evidence of a carcinogenic effect. R-68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
SAFETY PHRASES:	P-16 Can become highly flammable in use. S-13 Keep away from food, drink and animal feeding stuffs. S-18 Handle and open container with care. S-2 Keep out of reach of children. S-21 When using do not smoke. S-23A Do not breathe gas/fumes/vapour/spray. S-24/25 Avoid contact with skin and eyes. S-3/7/9 Keep container tightly closed, in a cool, well ventilated place. S-35 This material and its container must be disposed of in a safe way. S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S-51 Use only in well ventilated areas. S-52 Not recommended for interior use on large surface areas. S-62 If swallowed, do not induce vomiting. Seek medical advice immediately and show the container or label.
STATUTORY INSTRUMENTS:	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
APPROVED CODE OF PRACTICE:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION:

INFORMATION SOURCES:	Material Safety Data Sheet, Misc. manufacturers. Dangerous Properties of Industrial Materials Report, N.Sax et.al.
ISSUED BY:	Technical Services Department, Winsford, Cheshire
REVISION DATE:	08-08-2002
R-PHRASES (Full Text):	R-11 Highly flammable. R-23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R-39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R-10 Flammable. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-66 Repeated exposure may cause skin dryness or cracking. R-40 Limited evidence of a carcinogenic effect.
DISCLAIMER:	Every effort has been made to ensure that this information is accurate and up to date. Users are reminded that they should ensure that they have retained or internally circulated the most up to date copy as provided to the persons or work locations which require them. No warranty is implied or given as to suitability for use for any activity which is not covered by either the technical data sheet or restrictions of use as above.