

MATERIAL SAFETY DATA SHEET**NORCROS 4 INTO 1 SILICONE****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING**

1.1 PRODUCT IDENTIFIER: Norcros 4 into 1 Silicone

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:
No further relevant information

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

NORCROS ADHESIVES
Harewood Street
Tunstall
Stoke on Trent
Staffordshire
ST6 5JZ
Tel: 01782 524 140
Fax: 01782 524141
E-mail: technical@norcros-adhesives.com

1.4 EMERGENCY TELEPHONE NUMBER: 44 (0) 1782 524 140

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008
Not classified according to the CLP regulation.

CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EEC or DIRECTIVE 1999/45/EC
Not applicable

INFORMATION CONCERNING PARTICULAR HAZARDS FOR HUMAN AND ENVIRONMENT:

This product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

CLASSIFICATION SYSTEM:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 LABEL ELEMENTS:

LABELLING ACCORDING TO REGULATION (EC) No 1272/2008:

Void

HAZARD PICTOGRAMS: Void

SIGNAL WORD: Void

HAZARD STATEMENTS: Void

ADDITIONAL INFORMATION:

Contains 2-butanone oxime, 3-aminopropyltriethoxysilane. May produce an allergic reaction

Safety data sheet available on request.

2.3 OTHER HAZARDS

RESULTS OF PBT AND vPvB ASSESSMENT:

PBT: Not applicable

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 MIXTURES:

COMPOSITION Mixture of substances listed below with non-hazardous additions.

DANGEROUS COMPONENTS: Void

ADDITIONAL INFORMATION: For the wording of the listed risk phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

GENERAL INFORMATION: No special measures required.

AFTER INHALATION: Move affected personnel into fresh air
If symptoms persist seek medical attention

AFTER INGESTION: If symptoms develop or persist seek medical attention.

AFTER CONTACT WITH SKIN If discomfort or irritation develops seek medical attention.

AFTER CONTACT WITH EYES: Make sure that any contact lenses are removed before rinsing opened eye
using plenty of clean water for at least 15 minutes.
Seek medical attention if discomfort persists.

4.2 MOST IMPORTANT OF SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:
No further relevant information available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
No further relevant information available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING AGENTS: Use fire extinguishing media suitable to surrounding conditions.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE
No further relevant information available.

5.3 ADVICE FOR FIRE FIGHTERS

PROTECTIVE EQUIPMENT: Mouth respiratory protective device.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear protective clothing.

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid material entering drains or water courses or onto the ground.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

6.4 REFERENCE TO OTHER SECTIONS

Section 7 for information on safe handling

Section 8 for information on personal protection equipment

Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING: Use only in well ventilated areas

INFORMATION ABOUT FIRE AND EXPLOSION PROTECTION: No special measures required

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

No special requirements

7.3 SPECIFIC END USE(S)

No special requirement.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL FACILITIES: No further data, see item 7.****8.1 CONTROL PARAMETERS****INGREDIENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

ADDITIONAL INFORMATION: The lists valid during the making were used as basis.

8.2 EXPOSURE CONTROLS**PERSONAL PROTECTIVE EQUIPMENT:****GENERAL PROTECTIVE AND HYGIENIC MEASURES:**

The usual precautionary measures are to be adhered to when handling chemicals.

RESPIRATORY PROTECTION: Not required

PROTECTION OF HANDS: Suitable gloves

The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

PENETRATION OF GLOVE MATERIAL:

The break through time of the protective gloves as supplied by the manufacturer must be observed.

EYE PROTECTION: Safety goggles recommended during refilling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

(a) Appearance:	Paste
(b) Colour:	Various colours
(c) Odour:	Characteristic
(d) Odour threshold:	Not determined.
(e) pH value:	Not determined
(f) Melting point	Not determined
(g) Boiling point:	> 300°C
(h) Flash point:	> 100°C
(i) Flammability	Not applicable
(j) Ignition temperature:	200°C
(k) Decomposition temperature:	Not determined
(l) Self-igniting:	Product is not self-igniting
(m) Danger of explosion:	Product does not present an explosion hazard
(n) Explosion limits:	
Lower:	Not determined
Upper:	Not determined
(o) Vapour pressure @ 20°C:	100 hPa (Not determined)
(p) Density @ 20°C:	1.02 g/cm ³
(q) Relative density:	Not determined
(r) Vapour density:	Not determined
(s) Evaporation rate:	Not determined
(t) Solubility in/ Miscibility with water:	Not miscible or difficult to mix
(u) Partition coefficient: (n-octanol/water)	Not determined
(v) Viscosity:	Not determined
(w) Solvent content: VOC (EC):	0.00%

9.2 OTHER INFORMATION: No further relevant information available

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

Stable when stored correctly

10.2 CHEMICAL STABILITY

Stable when stored correctly

10.3 POSSIBILITY OF HAZARDOUS REACTION

None known

10.4 CONDITIONS TO AVOID

No further relevant information available

10.6 HAZARDOUS DECOMPOSITION PRODUCTS: 2-butanonoxim

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:

LD/LC VALUES RELEVANT FOR CLASSIFICATION:		
96-29-7 2-Butanone oxime		
Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50/4 h	20 mg/l (rat)

PRIMARY IRRITANT EFFECT:

- SKIN: No irritant effect
- EYES: No irritating effect
- SENSITIZATION: No sensitizing effects known

ADDITIONAL TOXICOLOGICAL INFORMATION:

The product is not subject to classification according to the calculation method of the General EU Classification guidelines for Preparations as issued in the latest version.

When used and handled according to the specifications, the product does not have any harmful effects to our experience and the information supplied to us.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

AQUATIC TOXICITY: No further relevant information available

12.2 PERSISTENCE & DEGRADABILITY: No further relevant information available

12.3 BIOACCUMULATIVE POTENTIAL: No further relevant information available

12.4 MOBILITY IN SOIL: No further relevant information available

ADDITIONAL ECOLOGICAL:

GENERAL NOTES:

Waste hazard class 1 (German Regulation) (Self-assessment): slightly hazardous in water.
Do not allow undiluted product to reach ground water, water courses or sewage system.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT

- PBT: Not applicable
- vPvB: Not applicable

12.6 OTHER ADVERSE EFFECTS: No further relevant information available

SECTION 13: DISPOSAL CONSIDERATIONS

In accordance with local authority regulations

EUROPEAN WASTE CATALOGUE	
08 04 09*	Waste adhesives and sealants containing organic solvents or other dangerous substances

SECTION 14 TRANSPORT INFORMATION

14.3 TRANSPORT HAZARD CLASS(ES)

ROAD TRANSPORT:	Not classified as hazardous
RAIL TANSPORT:	Not classified as hazardous
SEA TANSPORT:	Not classified as hazardous
AIR TRANSPORT:	Not classified as hazardous

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE

This product contains a biocidal product for the preservation of the dry film.
Contains: 2-octyl-2H-isothizool-3-on (CAS: 26530-20-1)

15.2 CHEMICAL SAFETY ASSESSMENT

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: OTHER INFORMATION

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

LEGAL DISCLAIMER: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.